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February 2002

INFORMATION TECHNOLOGY

Enterprise Architecture Use across the Federal Government Can Be Improved



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INFORMATION TECHNOLOGY Enterprise Architecture Use across the Federal Government Can Be Improved

Highlights of GAO-02-6, a report to Congressional Committees

Why GAO Did This Study

GAO's experience with federal agencies has shown that attempts to modernize information technology environments without blueprints—models simplifying the complexities of how agencies operate today, how they want to operate in the future, and how they will get there—often result in unconstrained investment and systems that are duplicative and ineffective. Enterprise architectures offer such blueprints. Given the issue's importance, GAO developed a maturity framework for enterprise architecture management and reviewed architecture use in the federal government, specifically determining agencies' development, implementation, and maintenance of these architectures, and OMB's oversight.

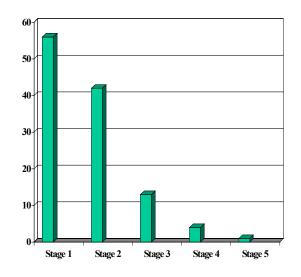
What GAO Recommends

GAO recommends that OMB work with agencies to use the maturity model and agency baseline information in this report in helping agencies advance the state of their architecture development and measure progress. Relatedly, GAO recommends that OMB address the impediments to greater use of architectures. OMB officials stated that they would consider our recommendations.

What GAO Found

Agencies' use of enterprise architectures is a work in progress, with much left to be accomplished. Of the 116 agencies GAO surveyed, 98 reported meeting the minimum criteria necessary, according to the GAO maturity framework, for stages 1 or 2—creating enterprise architecture awareness or building an enterprise architecture management foundation (see below). In contrast, only 5 agencies reported satisfying the practices that GAO believes are needed to effectively manage enterprise architecture activities (stages 4 or 5).

Number of Agencies at Each Stage of Enterprise Architecture Maturity, and Stage Definitions



MATURITY FRAMEWORK STAGES

- Leveraging EA for managing change Completing architecture
- products
- Developing architecture
- 3 products
- Building EA management
- 2 foundation
- 1 Creating EA awareness

What accounts for this? Historically, agency executives have not fully understood the value of enterprise architectures; hence, these tools have lacked the executive sponsorship necessary to become a funding priority. In addition, human capital expertise in this area has been scarce. As a result, the risk is heightened that agencies will proceed with systems modernization—investment decisions without the benefit of this architectural context and will end up with systems that limit mission performance, often after significant unwise use of taxpayer funds.

OMB has recognized the importance of enterprise architectures and has moved, through its role in the budget process, to increase their use. We support these efforts and view them as positive first steps. However, OMB is focusing primarily on major agencies, relying largely on agency submissions, and is not using an independent benchmark that defines the incremental steps an agency can take to mature. Unless it enhances its oversight approach to address these areas, OMB will be challenged in advancing the state of governmentwide architecture maturity.

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Abbreviations

CIO	Chief Information Officer
DOD	Department of Defense
EA	Enterprise Architectures
OMB	Office of Management and Budget



United States General Accounting Office Washington, D.C. 20548

February 19, 2002

The Honorable Joseph I. Lieberman Chairman The Honorable Fred Thompson Ranking Minority Member Committee on Government Affairs United States Senate

The Honorable Dan Burton Chairman The Honorable Henry A. Waxman Ranking Minority Member Committee on Government Reform House of Representatives

The Honorable Thomas M. Davis
Chairman
The Honorable Jim Turner
Ranking Minority Member
Subcommittee on Technology and Procurement Policy
Committee on Government Reform
House of Representatives

Effectively and efficiently designing and erecting a modern building requires construction blueprints that define, among other things, the building's features, functions, and systems, including applicable building codes, rules, and standards, as well as the interrelationships among these components. Effectively and efficiently transforming an entity's operational and technology environments also requires a blueprint—commonly referred to as an enterprise architecture. Such an architecture includes descriptive models (defined in both business and technology terms) to aid decisionmakers in understanding the complexities around how the entity operates today and how it wants to operate in the future. It also includes a roadmap for transitioning to this future operational state.

Our experience with federal agencies has shown that attempting to modernize information technology (IT) environments without an enterprise architecture to guide and constrain investments often results in systems that are duplicative, not well integrated, unnecessarily costly to maintain and interface, and ineffective in supporting mission goals. Managed properly, architectures can clarify and help optimize the

interdependencies and interrelationships among related enterprise operations and the underlying IT infrastructure and applications that support them. The development, implementation, and maintenance of architectures are a recognized hallmark of successful public and private organizations. Further, Office of Management and Budget (OMB) Circular A-130,¹ which implements the Clinger-Cohen Act of 1996,² requires executive branch agencies to use them.

Because of the importance of these architectures, we reviewed the state of their use in the federal government. Our objectives were to determine (1) the status of federal agencies' efforts to develop, implement, and maintain enterprise architectures and (2) OMB's actions to oversee these efforts. To accomplish these goals, we surveyed 116 federal agencies using a questionnaire that was based on the core elements of effective enterprise architecture management as defined in the Chief Information Officers (CIO) Council–published *Practical Guide to Federal Enterprise Architecture*. We did not independently verify the data that the agencies provided. Details of our objectives, scope, and methodology are discussed in appendix I.

Results in Brief

The state of the federal government's use of enterprise architectures is a work in progress, with much left to be accomplished. Although about 52 percent of federal departments and agencies report that they have satisfied at least those management practices that provide the foundation for developing, completing, and leveraging architectures, only about 4 percent report that they have satisfied the management practices that, in our view, are necessary to be an effective enterprise architecture manager.

The state of enterprise architecture use in the federal government can be attributed to several related factors. Specifically, agency executives have historically not understood the purpose, content, and value of these architectures, a misunderstanding that in turn has not allowed these management tools to receive the executive sponsorship they need to be

¹Management of Federal Information Resources, Office of Management and Budget, Circular No. A-130 (November 30, 2000).

²Clinger-Cohen Act of 1996, Public Law 104-106, section 5125, 110 Stat. 684 (1996).

³A Practical Guide to Federal Enterprise Architecture, Version 1.0, Chief Information Officers Council (February 2001).

treated as a funding priority and to overcome the embedded cultural resistance to the non-parochial, entitywide approach that enterprise architectures promote. Further, skilled human capital in the discipline of enterprise architecture is a scarce resource. Accordingly, most federal agencies currently do not have the architectural context and enforcement mechanisms needed for making informed IT investment decisions, thus increasing the risk that these agencies will build and modernize systems that are duplicative, poorly integrated, unnecessarily costly to maintain and interface, and ineffective in optimizing agency mission performance.

OMB has been an advocate of enterprise architecture development and use. Building on this advocacy, the agency has, among other things, begun to address this important area in its budget interactions with major departments and agencies. We support OMB's attention to this vitally important area. Nevertheless, we believe that OMB's existing oversight approach can be improved by using a more structured means of measuring agency progress in advancing the state of enterprise architecture maturity, expanding the number of agencies subject to its oversight approach, and focusing on governmentwide actions needed to assist agencies in meeting common enterprise architecture challenges. We are providing the OMB director with the baseline data, improvement framework, and recommendations for making these improvements.

In commenting on a draft of this report, officials from OMB's Office of Information and Regulatory Affairs generally agreed with our findings and conclusions and stated that they would consider our recommendations. They also provided additional information about recent and planned OMB enterprise architecture initiatives, which we have incorporated in the report.

Background

Enterprise architectures (EA) provide a clear and comprehensive picture of an entity, whether an organization (e.g., federal department, agency, or bureau) or a functional or mission area that cuts across more than one organization (e.g., financial management). The concept of such architectures first emerged in the mid-1980s, and over the years various frameworks for defining the content of EAs have been published. Our work in the early 1990s identified architectures as a critical success factor for organizations that effectively leveraged IT in meeting their mission goals, and it advocated federal agency use of architectures. Since then, we have worked with the Congress, OMB, and the federal CIO Council to recognize the importance of architectures and assist agencies in developing

and using them. Nevertheless, our reviews of agency IT management practices and major systems modernization programs continue to identify the lack of architectures as a major IT management weakness, and they have produced numerous recommendations to address this important area. In some cases, most notably the U.S. Customs Service, our work has shown that EA management has improved significantly.

Enterprise Architectures: A Brief Description

Enterprise architectures are essential tools for effectively and efficiently engineering business processes and for implementing and evolving their supporting systems. In the simplest of terms, an enterprise is any purposeful activity and an architecture is the structure (or structural description) of an activity. More specifically, EAs are systematically derived and captured descriptions—in useful models, diagrams, and narrative—of the mode of operation for a given enterprise, which can be (1) a single organization or (2) a functional or mission area that transcends more than one organizational boundary (e.g., financial management, acquisition management, logistics management). The architecture describes the enterprise's operations in both (1) logical terms, such as interrelated business processes and business rules, information needs and flows, and work locations and users, and (2) technical terms, such as hardware, software, data, communications, and security attributes and performance standards. It provides these perspectives both for the enterprise's current or "as is" environment and for its target or "to be" environment, as well as a transition plan for moving from the "as is" to the "to be" environment.

EA development, implementation, and maintenance is a basic tenet of effective IT management. Managed properly, these architectures can clarify and help optimize the interdependencies and interrelationships among an organization's business operations and the underlying IT infrastructure and applications that support these operations. Employed in concert with other important IT management controls, such as portfoliobased capital planning and investment control practices, EAs can greatly increase the chances that organizations' operational and IT environments will be configured in such a way as to optimize mission performance. Our experience with federal agencies has shown that attempting to define and build major IT systems without using a complete architecture often results in systems that are duplicative, are not well integrated, and are unnecessarily costly to maintain and interface.

Enterprise Architectures: A Brief History of Frameworks and Management Guidance

The concept of EAs dates back to the mid-1980s. At that time, John Zachman, widely recognized as a leader in the field, identified the need to use a logical construction blueprint (i.e., an architecture) for defining and controlling the integration of systems and their components.⁴ Accordingly, Zachman developed a "framework" or structure for logically defining and capturing an architecture. Drawing parallels to the field of classical architecture, and, later, to the aircraft manufacturing industry, in which different work products (e.g., architect plans, contractor plans, shop plans, bills of lading) represent different views of the planned building or aircraft, respectively, Zachman's framework identified the kind of work products needed to understand and thus build a given system or entity. In short, this framework provides six perspectives or windows from which to view how a given entity operates. The perspectives are those of the (1) strategic planner, (2) system user, (3) system designer, (4) system developer, (5) subcontractor, and (6) system itself. Associated with each of these perspectives, Zachman also proposed six abstractions of the entity, or models covering (1) how the entity operates, (2) what the entity uses to operate, (3) where the entity operates, (4) who operates the entity, (5) when entity operations occur, and (6) why the entity operates. Zachman's framework provides a way to identify and describe an entity's existing and planned component parts and the parts' relationships before the costly and time-consuming efforts associated with developing or transforming the entity begin.

Since the late 1980s, architecture frameworks have emerged within the federal government, beginning with the publication of the National Institute of Standards and Technology framework in 1989.⁵ Subsequently, we issued EA guidance, and our research of successful public and private-sector organizations' IT management practices identified the use of EAs as a factor critical to these organizations' success. Since that time, other

⁴J. A. Zachman, "A Framework for Information Systems Architecture," *IBM Systems Journal*, vol. 26(3), 1987.

⁵National Institute of Standards and Technology, *Information Management Directions: The Integration Challenge*, Special Publication 500-167 (September 1989).

⁶Strategic Information Planning: Framework for Designing and Developing System Architectures (GAO/IMTEC-92-51, June 1992).

⁷Executive Guide: Improving Mission Performance through Strategic Information Management and Technology (GAO/AIMD-94-115, May 1994).

federal entities have issued EA frameworks, including the Department of Defense, Department of the Treasury, and the federal CIO Council. Although the various frameworks use different terminology and somewhat different structures, they are fundamentally consistent in purpose and content, and they are being used today to varying degrees by many federal agencies.

The emergence of federal frameworks and guidance over the last 5 years owes largely to the Congress's passage of the Clinger-Cohen Act in 1996. 11 This act, among other things, requires the CIOs for major departments and agencies to develop, maintain, and facilitate the implementation of information technology architectures as a means of integrating business processes and agency goals with IT. In response to the act, OMB, in collaboration with us, issued guidance on the development and implementation of EAs.¹² More recently, OMB issued additional guidance directing that agency investments in IT be based on agency architectures. 13 Similarly, the CIO Council, in addition to publishing a federal enterprise architecture framework, recently collaborated with us in issuing two additional EA guidance documents. The first addresses EA enforcement and describes how an organization should go about assessing whether its proposed IT investments are compliant with its EA.14 The second addresses development, maintenance, and implementation, describing in practical terms an end-to-end set of steps for managing an EA program.¹⁵ More specifically, this guide explains how to get started and organized,

⁸DOD C4ISR Architecture Framework, Version 2.0, December 18, 1997.

⁹Treasury Enterprise Architecture Framework, Version 1.0, July 3, 2000.

¹⁰Federal Enterprise Architecture Framework, Version 1.1, September 1999.

¹¹Clinger-Cohen Act of 1996, Public Law 104-106, section 5125, 110 Stat.684 (1996).

 $^{^{12}}Information\ Technology\ Architectures,$ Office of Management and Budget Memorandum M-97-16 (June 18, 1997), rescinded with the update of OMB Circular A-130, November 30, 2000.

¹³Management of Federal Information Resources, Office of Management and Budget, Circular No. A-130 (November 30, 2000).

¹⁴Chief Information Officers Council, *Architecture Alignment and Assessment Guide*, October 2000.

¹⁵Chief Information Officers Council, *A Practical Guide to Federal Enterprise Architecture*, Version 1.0, February 2001.

what kind of management controls are needed, what factors to consider in formulating an EA development approach, how to go about defining the current and target architecture and the plan for sequencing from the current to the target, how to ensure that the architecture is implemented and enforced, and how to systematically refresh and maintain the architecture to ensure its currency and relevance.

Weaknesses, Some Progress Found in Agencies' EA Management

We began reviewing federal agencies' use of architectures in 1994, focusing initially on those agencies that were pursuing major system modernization programs that were high-risk. These included the National Weather Service system modernization, ¹⁶ the Federal Aviation Administration air traffic control modernization, ¹⁷ and the Internal Revenue Service tax systems modernization. ¹⁸ Generally, we reported that these agencies EAs were incomplete, and we made recommendations that they develop and implement complete EAs to guide their modernization efforts.

Since then, we have reviewed architecture management at other federal agencies, including the Department of Education, ¹⁹ Customs Service, ²⁰ Immigration and Naturalization Service, ²¹ and Centers for Medicare and Medicaid Services, ²² and we have reviewed the use of EAs for certain

¹⁶Weather Forecasting: Systems Architecture Needed for National Weather Service Modernization (GAO/AIMD-94-28, March 11, 1994).

¹⁷Air Traffic Control: Complete and Enforced Architecture Needed for FAA Systems Modernization (GAO/AIMD-97-30, February 3, 1997).

¹⁸Tax Systems Modernization: Blueprint Is a Good Start but Not Yet Sufficiently Complete to Build or Acquire Systems (GAO/AIMD/GGD-98-54, February 24, 1998).

¹⁹Student Financial Aid Information: Systems Architecture Needed to Improve Programs' Efficiency (GAO/AIMD-97-122, July 29, 1997).

²⁰Customs Service Modernization: Architecture Must Be Complete and Enforced to Effectively Build and Maintain Systems (GAO/AIMD-98-70, May 5, 1998).

²¹Information Technology: INS Needs to Better Manage the Development of Its Enterprise Architecture (GAO/AIMD-00-212, August 1, 2000).

²²Medicare: Information Systems Modernization Needs Stronger Management and Support (GAO-01-824, September 20, 2001).

agency functional areas, such as DOD financial management, ²³ logistics management, ²⁴ and combat identification. ²⁵ These reviews have continued to identify the absence of complete and enforced EAs, which in turn have led to agency business operations, systems, and data that are stovepiped, duplicative, and incompatible, and have forced agencies either not to share data or to depend on expensive, custom-developed interface systems to do so.

In response to our recommendations, some agencies have made progress, particularly those at which our recommendations were made many years ago. However, this progress has taken considerable time to achieve. Other agencies have yet to make much progress. The most notable exception to this is the Customs Service, which completed an EA as well as the management controls for maintaining it and enforcing IT investments' compliance with it in approximately 1 year.

A Framework to Assist Agencies in Managing Their EA Efforts

The ability to effectively manage an activity requires useful measures of activity status in relation to a standard. In the case of federal agencies' EA efforts, no such standard or method for measuring status and progress over time has existed. Accordingly, we have developed an initial version of an EA management maturity framework to serve as this standard that is based on the core elements from the CIO Council–published practical guide for EA management. Specifically, we arranged these core elements into a series of five hierarchical stages based on the implicit dependencies among these elements addressed in the guide. We also categorized these core elements into attributes associated with effectively discharging any management function—namely, elements that demonstrate organizational commitment, such as policies and approvals; elements that provide the capability to satisfy the commitment, such as assignment of organizational roles and responsibilities; elements that demonstrate satisfaction of the

²³Information Technology: Architecture Needed to Guide Modernization of DOD's Financial Operations (GAO-01-525, May 17, 2001).

²⁴ Information Technology: DLA Should Strengthen Business Systems Modernization Architecture and Investment Activities (GAO-01-631, June 29, 2001).

²⁵Combat Identification Systems: Strengthened Management Efforts Needed to Ensure Required Capabilities (GAO-01-632, June 25, 2001).

commitment, such as EA plans and products; and elements that verify satisfaction of the commitment, such as measurements. This framework construct is consistent with other maturity frameworks, such as our Information Technology Investment Management framework.²⁶

The framework's five stages of EA management maturity are depicted in figure 1 and constitute an initial version of our EA maturity framework (version 1.0). Associated with each stage is a description of EA management core elements, categorized as discussed above. All of the elements associated with a particular stage must be met in order to achieve that stage of maturity.

Stage 1: Creating EA Awareness is characterized by either no plans to develop and use an EA, or plans and actions that do not yet demonstrate an awareness of the value of having and using one. While Stage 1 agencies may have initiated some EA core elements, these agencies' efforts are ad hoc and unstructured, and do not provide the management foundation necessary for successful EA development.

Stage 2: Building the EA Management Foundation focuses on assignment of roles and responsibilities and establishment of plans for developing EA products. Specifically, a Stage 2 agency has designated a chief architect and established and staffed a program office responsible for EA development. Further, a steering committee or group that has responsibility for directing and overseeing the development has been established and the membership of the steering committee is comprised of business and IT representatives. At Stage 2, the agency either has plans for developing or has begun development of at least some of the necessary EA products. This stage also requires the agency to have selected both a framework that will be the basis for the nature and content of the specific products it plans to develop, and an automated tool to help in the development.

Stage 3: Developing Architecture Products focuses on actual development of EA products. At Stage 3, the agency has defined the scope of its EA as encompassing the entire enterprise, whether organization-based or function-based, and it has a written and approved policy demonstrating institutional commitment. Although the products may not

²⁶Information Technology Investment Management: A Framework for Assessing and Improving Process Maturity (Exposure Draft, GAO/AIMD-10.1.23, May 2000).

yet be complete, they are intended to describe the agency in business, data, applications, and technology terms. Further, the products are to describe the current (i.e., "as is") and future (i.e., "to be") states and the plan for transitioning from current to future state (i.e., sequencing plan). Also, as the architecture products are being developed, they are to be subject to configuration control.

Stage 4: Completing EA Products is characterized by complete and approved EA products that the agency can use to help select and control its portfolio of IT investments. The complete products describe the agency in business, data, applications, and technology terms. Also, the products are complete in that they describe the agency's current and future states and the transition plan for sequencing from the current state to the future state. Further, the agency's CIO has approved the EA and the agency has a written policy requiring that IT investments comply with the EA.

Stage 5: Leveraging the EA for Managing Change entails evolving the products according to a written and approved policy for EA maintenance. Also at this stage, either the steering committee, investment review board, or agency head approves the EA. Finally, the agency has incorporated the EA into its corporate decisionmaking and has established and is using metrics to measure the effectiveness of its EA.

Figure 1: GAO's Five Stages of EA Maturity (version 1.0)

	CORE ELEMENTS			
STAGE	Demonstrates commitment	Provides capability to meet commitment	Demonstrates satisfaction of commitment	Verifies satisfaction of commitment
Stage 5: Leveraging the EA for Managing Change (includes all elements in Stage 4)	Written/approved policy exists for EA maintenance		Either EA steering committee, investment review board, or agency head has approved EA	Metrics exist for measuring EA benefits
Stage 4: 4 Completing Architecture Products (includes all elements in Stage 3)	Written/approved policy exists for information technology investment compliance with EA		EA products • describe enterprise's business—and the data, applications, and technology that support it • describe "as is" environ- ment, "to be" environment, and sequencing plan Agency chief information officer has approved EA	
Stage 3: Developing Architecture Products (includes all elements in Stage 2)	Written/approved policy exists for EA development	EA products are under configuration management	EA products • describe or will describe enterprise's business—and the data, applications, and technology that support it • describe or will describe "as is" environment, and sequencing plan EA scope is enterprise-focused	
Stage 2: Building the EA Management Foundation	Committee or group representing the enterprise is responsible for directing, overseeing, or approving EA	Program office responsible for EA development exists Chief architect exists EA being developed using a framework and automated tool	EA plans • call for describing enterprise in terms of business, data, applications, or technology • call for describing "as is" environment, "to be" environment, or sequencing plan	
Stage 1: Creating EA Awareness	Agency is aware of EA			

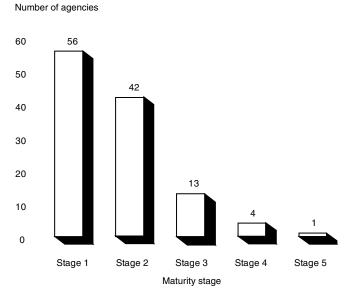
Source: GAO.

All Agencies Have Initiated Some EA Activities, but Most Lack Core Elements

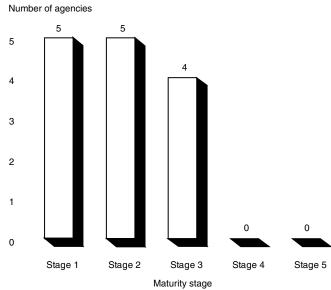
According to our survey results, the federal government as a whole has not reached a mature state of EA management. In particular, about 52 percent of federal agencies reported having at least the management foundation that is needed to begin successfully developing, implementing, and maintaining an EA, and about 48 percent of agencies have not yet advanced to this basic stage of maturity. At the other extreme, only about 4 percent of federal agencies' EA efforts have matured to the point that they can be considered effective, ²⁷ with only one agency, the Customs Service, attaining the highest stage of maturity. This overall state of maturity is consistent for each of the three components that make up the 116 federal agencies that we surveyed: departments (e.g., Department of the Treasury), department component agencies (e.g., Internal Revenue Service), and independent agencies (e.g., Social Security Administration). (See figure 2.) A summary listing of the 116 agencies' EA maturity is provided in appendix II of this report. Detailed summaries of individual departments', component agencies', and independent agencies' EA maturity are provided in appendixes III, IV, and V, respectively.

²⁷The Department of the Army, the Internal Revenue Service, the Office of Personnel Management, and the Patent and Trademark Office have all attained stage 4 of our maturity framework.

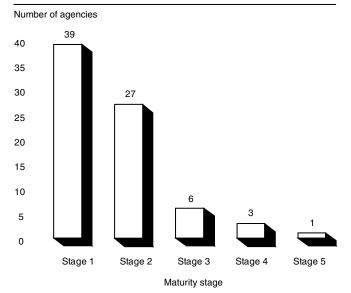
Figure 2: Summary of Federal Agencies' EA Maturity All agencies, total = 116



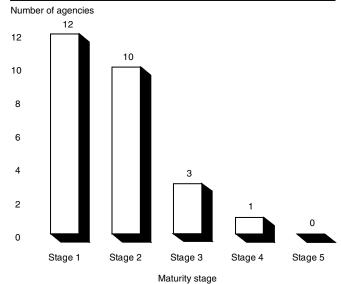
Departments, total = 14



Component agencies, total = 76



Independent agencies, total = 26



Source: GAO analysis of agency survey responses.

Despite this less-than-mature state of affairs, our survey revealed some signs of progress. For example, most agencies are performing certain core elements of our maturity framework, such as using a specific EA framework and automated tool. Moreover, about 82 percent of those agencies at a given maturity stage are also reportedly performing one or more core elements associated with a higher maturity stage. Other relevant EA management information, such as costs and benefits, was also reported by agencies that we surveyed. Each of these areas is discussed in greater detail below.

It is extremely important that federal agencies advance the state of their EA maturity. Without well-defined and used architectures, agencies will likely continue the same IT investment practices of the past, practices that have produced nonintegrated, duplicative, and suboptimized agency operations and supporting IT environments.

Most Agencies Are Performing Certain Maturity Framework Core Elements

Regardless of individual agencies' maturity levels, most agencies (75 percent or more) report performing certain core elements related to stages 2 and 3 of our framework, and thus the prospects for future improvements in the state of the federal government's EA maturity are promising. For example, at least three out of four agencies are performing four core elements related to *Building the EA Management Foundation* (stage 2). Specifically, 75 percent of agencies have established a program office responsible for EA development; 75 percent of agencies have selected an architecture framework and an automated development and maintenance tool; 81 percent of agencies plan for their architecture products to describe the enterprise in *one or more* of the following terms: business, data, applications, *or* technology; and 82 percent of agencies plan their architecture products to describe *one or more* of the following: the "as is" environment, the "to be" environment, *or* the sequencing plan.

Most agencies also report performing three core elements related to *Developing Architecture Products* (stage 3). Specifically, 76 percent of agencies have scoped their EA to cover the entire enterprise; 77 percent of agencies plan for their EA products to describe the enterprise in *all* of the following terms: business, data, applications, *and* technology; and 77 percent of agencies plan their EA products to describe *all* of the following: the "as is" environment, the "to be" environment, *and* the sequencing plan.

Most Agencies Are Performing Core Elements Associated with a Higher Maturity Stage Although an agency may meet all the core elements associated with only one particular maturity stage, this agency could also be performing one or more core elements associated with higher maturity stages. Our analysis of survey results shows that this is frequently the case. In fact, 82 percent of agencies in stage 1 through stage 4 are performing at least one core element above their current maturity stage. In particular, of the 56 agencies at stage 1, 35 are performing core elements that meet at least one of the criteria in stage 2 through stage 5.

Moreover, some of these agencies need to satisfy only one additional core element in order to advance one or more maturity stages, meaning that the opportunity exists for some agencies to quickly advance their respective EA maturity levels. About 46 percent of the agencies (53 out of 115) need to satisfy only one additional core element to advance to at least the next maturity stage. Moreover, 8 of these agencies could advance two stages by satisfying just one additional core element, and one agency, the Defense Contract Audit Agency, could climb three stages (from stage 2 to stage 5) by satisfying just one additional core element.

About 9 percent of the agencies (10 out of 115) need to satisfy only two core elements in order to advance two maturity stages, and 3 percent (4 out of 115) need to satisfy three additional core elements to advance three maturity stages. One agency, the Defense Legal Services Agency, could advance from stage 1 to stage 5 by satisfying only two additional core elements. As noted above, the Food and Drug Administration and the International Trade Administration, which are currently stage 1 agencies, could advance to stage 5 by satisfying a total of four additional core elements, one at each of stages 2 through 5.

Departmental Leadership Can Influence the Maturity of the Component Agencies Of the 14 cabinet-level departments, all of which responded to our survey, 6 have established a policy governing the development of EA by their component agencies; 8 have not. Our analysis of the maturity level of component agencies, using resampling methods, provides statistical evidence that the average maturity level of component agencies in departments with an EA policy is higher than the average maturity level of component agencies in departments without an EA policy. Specifically, the

 $^{^{\}overline{28}}$ One of the 116 agencies included in our analysis has achieved stage 5 of our framework (i.e., satisfied all the core elements).

average maturity level of the component agencies within departments that have departmentwide policies is 1.9, while the average maturity level of the component agencies within departments that do not have a policy is 1.5. The Departments of Commerce and the Treasury, for example, which both have a departmentwide policy, have average EA maturity levels of 2.2 for their component agencies. In contrast, no department that lacks a policy has an average EA maturity level higher than 1.7.

Available Agency EA Cost Data Show Variability

As discussed in the CIO Council—published EA management practical guide, the scope and nature of the enterprise and the extent of enterprise transformation and modernization envisioned will dictate the depth and detail of the architecture to be developed and maintained. Thus, the EA has to be tailored to the individual enterprise and that enterprise's intended use of the architecture. Accordingly, the level of resources that an agency invests in its EA is likely to vary.

Our survey data showed considerable variability among agencies in the cost to develop and maintain EAs. For those agencies that reported having completed an EA, the actual development costs that they reported ranged from \$70,000 to \$18.2 million. (See table 1.) In developing this range, we only included those 14 agencies that satisfied our maturity framework's definition of a complete EA (i.e., the EA products describe the enterprise's business and the data, applications, and technology that support it; the EA products describe the "as is" environment, "to be" environment, and the plan for sequencing from the "as is" to the "to be"; and the agency CIO has approved the EA). In doing so, we did not include EA development cost data reported by 31 other agencies because they did not satisfy our maturity framework's definition of a complete EA. For the 14 agencies that had completed EAs, the annual costs reported for architecture maintenance ranged from \$30,000 to \$1.5 million. (See table 1.)

Table 1: Agencies' Reported Actual Costs to Complete EA and Annual Costs to Maintain EA

Agency	Actual cost to complete EA (\$000s)	Annual cost to maintain EA(\$000s)
Patent and Trademark Office	None reported	30
International Trade Administration	70	10
Defense Legal Services Agency	120	30
Federal Railroad Administration	194	0
Farm Service Agency	200	None reported
Bureau of Prisons	276	0
Census Bureau	285	170
Defense Contract Audit Agency	358	0
Office of Personnel Management	400	65
Small Business Administration	1,100	200
Veterans Health Administration	2,100	1,000
Department of Energy	3,600	800
Customs Service	6,000	1,500
Internal Revenue Service	18,200	None reported

Source: Agency survey responses.

For agencies that reported not having completed an EA, 32 reported the estimated costs associated with completing one. These estimated EA completion costs ranged from \$100,000 to \$25.3 million. (See table 2.) Generally, the variability in the reported EA costs can be attributed, at least in part, to differences in the respective agencies' size and complexity.

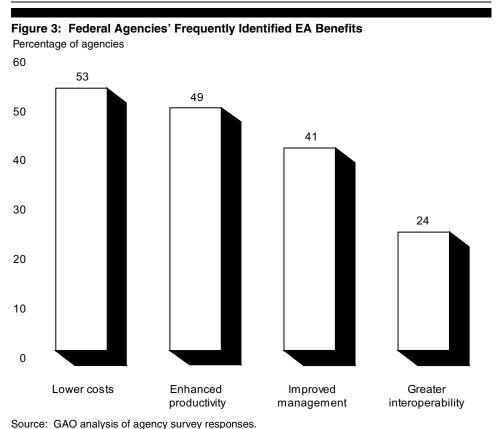
Table 2: Agencies' Reported Estimated Costs to Complete EA

Agency	Estimated cost to complete EA (\$000s)
Economic Development Administration	100
Smithsonian Institution	225
Peace Corps	250
Ballistic Missile Defense Organization	300
Coast Guard	300
Railroad Retirement Board	400
Bureau of Alcohol, Tobacco, and Firearms	500
Administration for Children and Families	750
Federal Law Enforcement Training Center	750
General Services Administration	898
U.S. Mint	900
Bureau of Reclamation	1,000
Social Security Administration	1,100
Defense Logistics Agency	1,200
Bureau of Indian Affairs	1,500
Securities and Exchange Commission	1,500
Immigration and Naturalization Service	1,600
Department of the Interior	2,280
Federal Bureau of Investigation	2,500
National Highway Traffic Safety Administration	2,500
Drug Enforcement Administration	2,800
Department of the Treasury	3,000
Department of Transportation	3,000
Department of State	4,280
Defense Threat Reduction Agency	6,731
Department of Labor	7,000
Forest Service	12,500
Department of the Navy	15,000
Federal Motor Carrier Safety Administration	15,000
Natural Resources Conservation Service	15,000
National Imagery and Mapping Agency	20,000
Nuclear Regulatory Commission	25,300

Source: Agency survey responses.

Agencies Cite Similar EA Benefits

OMB policy, CIO Council guidance, and our reviews have identified multiple benefits of developing EAs, including avoiding duplication between IT systems, promoting integration of systems, reducing system-related costs, and optimizing mission performance. The agencies' responses to our survey echoed these and offered additional benefits associated with developing and using an EA. Specifically, the most frequently cited EA benefit was lower system-related costs, which was identified by 53 percent of agencies. Benefits related to enhanced productivity and improved efficiency were cited by 49 percent of agencies, while improved organization and change management was another frequently identified benefit, cited by 41 percent of agencies. Improved systems interoperability was a benefit cited by 24 percent of agencies. (See figure 3.)



Agencies Cite Similar EA Management Challenges

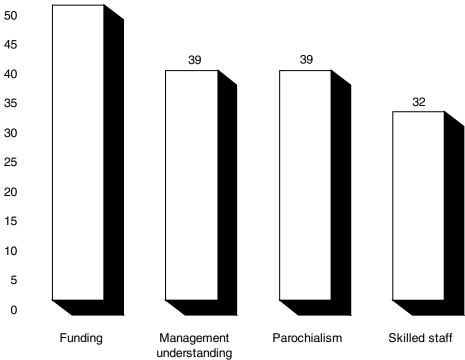
Effectively developing, implementing, and maintaining an EA is a challenging endeavor. As discussed in the CIO Council—published EA management practical guide, factors critical to the successful use of EAs include obtaining top management support and commitment, ensuring that the scope of the architecture is enterprisewide, and having the requisite resources (financial and human capital) to get the job done.

The agencies that we surveyed affirmed these critical success factors by identifying them as significant EA management challenges. Specifically, about 39 percent of the agencies stated that getting top management to understand the purpose, content, and value of these architectures was a challenge. According to the CIO Council–published EA management guide, such understanding is critical to architecture programs receiving executive sponsorship. Without executive understanding and support, obtaining sufficient funding and overcoming agency component organizations' parochialism and cultural resistance to introducing change that attempts to optimize the enterprise, rather than the "stovepiped" enterprise components, can also be a significant challenge. The agencies we surveyed agreed, with about 50 and 39 percent reporting funding and parochialism, respectively, as challenges. Additionally, 32 percent of the agencies surveyed reported that obtaining skilled staff is also a challenge. (See figure 4.)

Figure 4: Federal Agencies' Frequently Identified EA Management Challenges
Percentage of agencies

50

50



Source: GAO analysis of agency survey responses.

Customs Service Is a Model EA Management Agency

In 1998, we reported that the Customs Service lacked a complete EA and the management controls to effectively enforce one, and we made recommendations to correct these problems. ²⁹ Customs agreed with our findings and recommendations, and it made addressing them a top agency priority. In April 2000, we reported that Customs had developed a complete EA. ³⁰ We have since cited Customs as an example of a federal agency with an effective architecture management program.

The results of our survey and analysis of survey responses against our maturity framework affirm Customs as a role model agency for EA management. According to the survey results, Customs is the only agency that has achieved stage 5 maturity, meaning that it has satisfied all the core elements of the framework. In particular, Customs' EA is agencywide in scope, and it has been approved by the Customs CIO, Investment Review Board, and commissioner. Its EA program includes a program office and an executive steering committee responsible for EA development and maintenance. It also includes descriptions of the agency's "as is" and "to be" environments, as well as a sequencing plan for moving from the former to the latter. Customs has also developed qualitative and quantitative metrics for measuring benefits derived from using its architecture. In addition, Customs has written and approved policies and associated management processes to ensure that IT investments are compliant with the EA, and to ensure that it is proactively maintained.

²⁹Customs Service Modernization: Architecture Must Be Complete and Enforced to Effectively Build and Maintain Systems, GAO/AIMD-98-70 (May 5, 1998).

³⁰U.S. Customs Service: Observations on Selected Operations and Program Issues, GAO/T-GGD/AIMD-00-150 (April 20, 2000).

OMB Has Promoted and Is Overseeing EA Efforts, but Opportunities Exist to Strengthen Oversight Approach Performance measurement is a core tenet of the Government Performance and Results Act of 1993.³¹ In essence, it codifies the widely recognized and accepted management axiom that one cannot manage what one cannot measure. Without the ability to measure performance and progress, management's ability to oversee a given program is greatly diminished, and the opportunities to effectively ensure that goals and objectives are met are lost.

OMB recognizes the importance of EAs and, since the 1996 passage of the Clinger-Cohen Act, has acted to promote them. For example, OMB (1) issued guidance on the purpose and use of enterprise architectures shortly after the act was passed, 32 (2) issued subsequent guidance directing that agency investment in IT be based on agency EAs, 33 and (3) beginning with the fiscal year 2002 budget cycle, required agency budget submissions to show IT investments in several areas, including architecture development. 48 Beginning with the fiscal year 2003 budget cycle, it also required the departments and major agencies that are CIO Council members to address how IT investment decisionmaking addresses architecture alignment and, in cases in which an agency does not have an architecture, to provide a plan for developing one. 45 In this latter case, OMB officials told us, they are also holding meetings with agencies to ensure that proposed IT investments are justified until an architecture is completed

 $^{^{\}mbox{\tiny 31}}$ Government Performance and Results Act of 1993, Public Law No. 103-62, August 3, 1993.

³²Information Technology Architectures, Office of Management and Budget Memorandum M-97-16 (June 18, 1997).

³³Management of Federal Information Resources, Office of Management and Budget, Circular No. A-130 (November 30, 2000).

³⁴Preparation and Submission of Budget Estimates, Office of Management and Budget, Circular A-11 (November 8, 2001).

³⁵CIO Council members include the Departments of Agriculture, Commerce, Defense, Education, Energy, Health and Human Services, Housing and Urban Development, Interior, Justice, Labor, State, Transportation, the Treasury, and Veterans Affairs. Major agencies that are CIO Council members include the Army, Navy, Air Force, Environmental Protection Agency, Federal Emergency Management Agency, Central Intelligence Agency, Small Business Administration, Social Security Administration, National Aeronautics and Space Administration, National Science Foundation, Nuclear Regulatory Commission, and Office of Personnel Management.

and integrated into the agency's capital planning and investment control processes. Other steps that OMB has taken are: (1) to assess the status of major department and agency architectures against selected CIO Council guidance; (2) to elevate the CIO Council's level of focus and attention on EA management by, for example, establishing an enterprise architecture committee; and (3) to begin developing business-level architectural views of certain governmentwide missions or functions, such as disaster preparedness, grants and loans, and law enforcement.

OMB's increased attention to and oversight of federal enterprise architecture are central to advancing the federal government's state of architecture maturity. However, OMB's existing oversight approach focuses on major agencies and relies largely on unverified agency submissions. This approach can be strengthened by using a more structured means of measuring agency architecture status and progress, expanding the number of agencies covered, and identifying and pursuing governmentwide solutions to common enterprise architecture challenges that agencies face. Without enhancing its governmentwide approach to overseeing EA use and employing a standard that systematically specifies the core elements of architecture management success and a practical way to measure agency efforts against this standard over time, OMB will be challenged in leading and attaining governmentwide maturation in this important area.

Conclusions

The current state of the federal government's use of EAs is mixed, but overall it is not sufficiently mature to support well-informed IT investment decisionmaking. As a result, most federal agencies currently run the serious risk of investing in IT solutions that will not overcome but will, rather, perpetuate longstanding incompatibilities and duplication within agency operational and systems environments. With recently issued federal guidance and increased OMB attention to EA management, however, the outlook for advancement in federal agency EA maturity holds promise. Nevertheless, opportunities exist to significantly improve this outlook by OMB's adopting a governmentwide, structured, and systematic approach to promoting EA use, measuring agency progress, and identifying the need for governmentwide EA management challenges. The EA maturity framework and the survey results contained in this report provide OMB, possibly in collaboration with the federal CIO Council, with the foundation for adopting such an approach.

Recommendations for Executive Action

To assist in its oversight of federal agencies' use of EAs, we recommend that the OMB director, in collaboration with the federal CIO Council, use the maturity framework and agency baseline information provided in this report as the basis for helping agencies to advance the state of their respective EA development, implementation, and maintenance efforts, and for measuring agency progress. In doing so, we further recommend that the OMB director require each of the agencies discussed in this report to (1) submit to OMB an annual update of the agency's satisfaction of each of the core elements contained in the maturity framework, and (2) have this update verified by the agency's inspector general or comparable audit function before it is submitted to OMB.

Additionally, we recommend that the director, in collaboration with the CIO Council, develop and implement a plan to address governmentwide impediments to greater agency use of EAs. At a minimum, this plan should include the two primary challenges identified in this report—agency executive management understanding of EAs and availability of EA human capital expertise.

Further, we recommend that the director report annually to the Senate Committee on Governmental Affairs and the House Committee on Government Reform on the results of its annual update of the state and progress of federal agencies EA efforts.

Agency Comments

In oral comments on a draft of this report, officials from OMB's Office of Information and Regulatory Affairs, including the Information Policy and Technology Branch chief, generally agreed with our findings and conclusions and stated that they would consider our recommendations. The officials also provided information on recent OMB actions intended to advance enterprise architecture use in the federal government. We have incorporated this information in the report. We view these recent OMB actions as positive steps. Nevertheless, we also believe that OMB can improve on these actions by implementing the recommendations in this report.

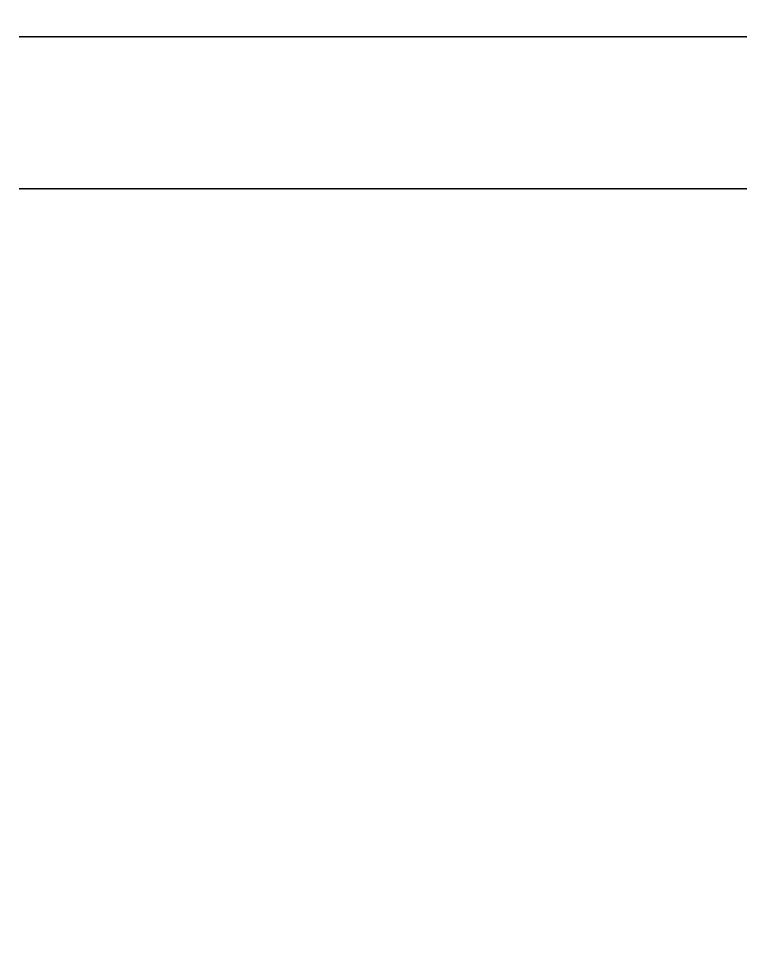
Unless you publicly announce the contents of this report earlier, we plan no further distribution of it until 30 days from the date of this letter. We will then send copies to the OMB director. Copies will also be available at our Web site at www.gao.gov.

Should you or your staff have any questions on matters discussed in this report, please contact me at (202) 512-3439. I can also be reached by e-mail at HiteR@gao.gov. Key contributors to this report are listed in appendix VIII.

Sincerely yours,

Randolph C. Hite

Director, Information Technology Architecture and Systems Issues



Objectives, Scope, and Methodology

Our objectives were to determine (1) the status of federal agencies' efforts to develop, implement, and maintain EAs, and (2) OMB's actions to oversee these efforts.

To address our objectives, we obtained and reviewed relevant guidance on EAs, such as OMB Memorandum 97-16 (now rescinded), entitled Information Technology Architecture; OMB Circular A-130, entitled Management of Federal Information Resources; and federal CIO Council-published guidance, including the Federal Enterprise Architecture Framework Version 1.1 and A Practical Guide to Federal Enterprise Architecture. We also researched past GAO reports and guidance on management and use of enterprise architectures, and identified and reviewed relevant private-sector research on EA frameworks and management, as well as federal agencies' EA frameworks, including the Treasury Enterprise Architecture Framework and the Department of Defense's Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) Architecture Framework.

Next, we used the CIO Council–published practical guide to develop a series of questions to determine the extent to which an agency was meeting the core elements of the guide, and to determine agencies' experiences in pursuing their respective EA efforts. We then incorporated these questions into two data-collection instruments—one for federal departments (see appendix VI) and one for agencies that were either components within a department or independent agencies (see appendix VII). We pre-tested our survey instrument at one federal department and one component agency.

Prior to distributing the survey instruments, we identified 116 executive branch federal agencies to include in our survey population. These agencies consisted of all cabinet-level departments and agencies, major component agencies or bureaus within departments, and other independent agencies. To identify the 116 agencies, we reviewed federal departments' organizational charts and other information, such as component agency fiscal year 2002 budget requests. We limited the selected agencies to those identified in the *United States Government Manual* and the *Budget of the United States Government* (Fiscal Year 2002) as having budget requests in excess of \$100 million. The 116 agencies are identified in appendix II.

For each agency to be surveyed, we identified the CIO or comparable official and notified each of our work and distributed the appropriate survey instrument to each via e-mail. In addition, we discussed the purpose

Appendix I Objectives, Scope, and Methodology

and content of the survey instrument with agency officials when requested. All 116 agencies responded to our survey. Also, timing of agency responses varied, ranging from June 2001 to October 2001, and thus the determinations in this report regarding the state of EA maturity at specific agencies and groups of agencies are linked to particular points in time. Appendix III, appendix IV, and appendix V, which contain the results of our analysis of each agency's response to our survey, identify the date that each agency responded. We did not verify the accuracy of the data that the agencies reported or the effectiveness of any agency's efforts that satisfied an EA core element. However, we did contact agency officials when necessary to clarify their responses.

Next, we developed an EA management maturity framework to use in analyzing agency responses to our survey instrument. To do so, we categorized each core element of the CIO Council-published practical guide for EA management, which formed much of the content of our survey instrument, into a series of five related and hierarchical stages. In developing this hierarchy, we drew upon the core elements' implicit dependencies and sequence of presentation as presented in the guide. We also categorized these core elements into those attributes associated with effectively discharging any management function—namely, elements that demonstrate organizational commitment, such as policies and approvals; elements that provide the capability to satisfy the commitment, such as assignment of organizational roles and responsibilities; elements that demonstrate satisfaction of the commitment, such as EA plans and products; and elements that verify satisfaction of the commitment, such as measurements. We validated our framework with CIO Council and GAO officials who were the principal authors of the CIO Council-published practical guide on which the framework is based.

We then analyzed agency responses against the maturity framework's core elements to determine whether the element was satisfied. In conducting this analysis, we considered all agency responses related to a given core element of the framework. For example, if an agency reported that it had developed an EA, we reviewed responses to other survey questions to determine whether the EA had included requisite components for a complete architecture, such as the target architecture and sequencing plans for transitioning to the target environment. In instances in which agencies reported that their EAs did not include major components or did not meet the core element as defined in the framework, we placed the agencies' efforts relating to that core element at the next lowest stage of framework maturity.

Appendix I Objectives, Scope, and Methodology

After compiling agency responses and determining agencies' respective maturity stages, we analyzed responses across different slices of our agency population to determine patterns and issues. Finally, we reviewed OMB efforts to oversee federal agency EA development, including analyzing relevant policy guidance and interviewing OMB officials about ongoing and planned management actions.

We conducted our work at the 116 identified federal agencies headquarters offices in Washington, D.C., and Arlington, Virginia, from May 2001 through December 2001, in accordance with generally accepted government auditing standards.

Summary Listing of Department, Component Agency, and Independent Agency Responses against Five-Stage EA Maturity Framework

Agency	Maturity Stage
Department of Agriculture	1
Agricultural Marketing Service	1
Agricultural Research Service	1
Animal and Plant Health Inspection Service	1
Cooperative State Research, Education, and Extension Service	1
Farm Service Agency	2
Food and Nutrition Service	1
Food Safety and Inspection Service	1
Foreign Agricultural Service	1
Forest Service	2
Natural Resources Conservation Service	2
Risk Management Agency	1
Rural Utilities Service	2
Department of Commerce	3
Bureau of the Census	2
Economic Development Administration	1
International Trade Administration	1
National Oceanic and Atmospheric Administration	3
U.S. Patent and Trademark Office	4
Department of Defense	3
Ballistic Missile Defense Organization	2
Defense Advanced Research Projects Agency	1
Defense Commissary Agency	1
Defense Contract Audit Agency	2
Defense Contract Management Agency	2
Defense Information Systems Agency	1
Defense Intelligence Agency	2
Defense Legal Services Agency	1
Defense Logistics Agency	1
Defense Security Cooperation Agency	1
Defense Security Service	2
Defense Threat Reduction Agency	2
Department of the Air Force	3
Department of the Army	4
Department of the Navy	2

Appendix II Summary Listing of Department, Component Agency, and Independent Agency Responses against Five-Stage EA Maturity Framework

(Continued From Previous Page)	
Agency	Maturity Stage
National Imagery and Mapping Agency	2
National Security Agency	2
U.S. Marine Corps	1
Department of Education	2
Department of Energy	2
Department of Health and Human Services	1
Administration for Children and Families	1
Agency for Healthcare Research and Quality	1
Centers for Disease Control and Prevention	3
Centers for Medicare and Medicaid Services	2
Food and Drug Administration	1
Health Resources and Services Administration	1
Indian Health Service	2
Program Support Center	1
Department of Housing and Urban Development	1
Department of the Interior	2
Bureau of Indian Affairs	1
Bureau of Land Management	3
Bureau of Reclamation	1
Fish and Wildlife Service	1
Minerals Management Service	1
National Park Service	1
Office of Surface Mining Reclamation and Enforcement	2
U.S. Geological Survey	1
Department of Justice	3
Drug Enforcement Administration	2
Federal Bureau of Investigation	1
Federal Bureau of Prisons	2
Immigration and Naturalization Service	1
U.S. Marshals Service	1
Department of Labor	2
Department of State	3
Department of Transportation	2
Federal Aviation Administration	3
Federal Highway Administration	1
Federal Motor Carrier Safety Administration	2
Federal Bailroad Administration	1

Appendix II Summary Listing of Department, Component Agency, and Independent Agency Responses against Five-Stage EA Maturity Framework

(Continued From Previous Page)	
Agency	Maturity Stage
Federal Transit Administration	1
National Highway Traffic Safety Administration	2
U.S. Coast Guard	2
Department of the Treasury	1
Bureau of Alcohol, Tobacco, and Firearms	2
Bureau of Engraving and Printing	1
Bureau of the Public Debt	3
Comptroller of the Currency	1
Federal Law Enforcement Training Center	1
Financial Management Service	2
Internal Revenue Service	4
Office of Thrift Supervision	1
Secret Service	2
U.S. Customs Service	Ę
U. S. Mint	2
Department of Veterans Affairs	1
Veterans Benefits Administration	1
Veterans Health Administration	2
Agency for International Development	3
Central Intelligence Agency	1
Corporation for National and Community Service	1
Environmental Protection Agency	3
Equal Employment Opportunity Commission	1
Executive Office of the President	2
Export-Import Bank	3
Federal Deposit Insurance Corporation	1
Federal Emergency Management Agency	2
Federal Energy Regulatory Commission	1
Federal Reserve System	1
Federal Retirement Thrift Investment Board	1
General Services Administration	2
Legal Services Corporation	1
National Aeronautics and Space Administration	2
National Credit Union Administration	
National Labor Relations Board	1
Nuclear Regulatory Commission	
Office of Personnel Management	

Appendix II Summary Listing of Department, Component Agency, and Independent Agency Responses against Five-Stage EA Maturity Framework

(Continued From Previous Page)	
Agency	Maturity Stage
Peace Corps	1
Railroad Retirement Board	2
Securities and Exchange Commission	2
Small Business Administration	2
Smithsonian Institution	2
Social Security Administration	2
U.S. Postal Service	2

Department of Agriculture: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	**
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	***
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	No
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	37
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	_
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Agriculture provided its survey response on July 9, 2001.

Department of Commerce: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	Yes
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Commerce provided its survey response on June 29, 2001.

Department of Defense: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Defense provided its survey response on July 25, 2001.

Department of Education: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	3.7
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
Ctoro 1.	environment, or sequencing plan.	Yes
Stage 1: Creating EA	Agency is aware of EA.	ies
Awareness		
Awareness		

 $^{^{\}rm a}$ The Department of Education provided its survey response on July 23, 2001.

Department of Energy: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment,	Yes
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
Stage 1:	environment, or sequencing plan. • Agency is aware of EA.	Yes
Creating EA	- Agency to arrate of the	100
Awareness		

 $^{^{\}rm a}$ The Department of Energy provided its survey response on June 28, 2001.

Department of Health and Human Services: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	***
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	***
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Voc
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be"	ies
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Health and Human Services provided its survey response on August 14, 2001.

Department of Housing and Urban Development: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing Architecture Products	 investment compliance with EA. EA products describe enterprise's business—and the data, applications, and technology that support it. 	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
(includes all elements	 EA products describe or will describe "as is" environment, "to be" environment, and sequencing plan. 	
from stage 2)	 EA scope is enterprise-focused. 	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	**
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	***
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Housing and Urban Development provided its survey response on June 28, 2001.

Department of the Interior: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	3.7
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	37
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of the Interior provided its survey response on June 29, 2001.

Department of Justice: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	NO
from stage 3)	and sequencing plan.	Yes
,	Agency chief information officer has approved EA.	
Stage 3:	• Written/approved policy exists for EA development.	Yes
Developing	• EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
<i>C</i> : 1 1 11 1 4	• EA products describe or will describe "as is" environment, "to	res
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2:	• Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Justice provided its survey response on July 10, 2001.

Department of Labor: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data,	Yes
Troducts	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Labor provided its survey response on July 2, 2001.

Department of State: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4) Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	• EA products describe enterprise's business—and the data,	No
(includes all elements	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products (includes all elements	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data, applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of State provided its survey response on July 13, 2001.

Department of Transportation: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	3.7
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	V
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Transportation provided its survey response on June 29, 2001.

Department of the Treasury: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Voc
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of the Treasury provided its survey response on June 28, 2001.

Department of Veterans Affairs: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	**
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	37
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	• Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	 Program office responsible for EA development exists. 	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Voc
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of Veterans Affairs provided its survey response on August 17, 2001.

Department of Agriculture

Agricultural Marketing Service: Stage 1^a

	Written/approved policy exists for EA maintenance.	
	• Written/approved policy exists for EA maintenance.	No
0 0	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements	and sequencing plan.	37
from stage 3)	 Agency chief information officer has approved EA. 	Yes
	Written/approved policy exists for EA development.	No
	EA products are under configuration management.	No
	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	37
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	Yes
3.5	Program office responsible for EA development exists.	Yes
17 1 44	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	 EA plans call for describing enterprise in terms of business, data, 	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	- Agency is aware of the	100
Awareness		

 $^{^{\}rm a}$ The Agricultural Marketing Service provided its survey response on July 9, 2001.

Department of Agriculture

Agricultural Research Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	No
from stage 2)	EA scope is enterprise-focused.	NO
Stage 2:	Committee or group representing the enterprise is responsible for	No
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No No
	• EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	No
	EA plans call for describing "as is" environment, "to be"	110
~	environment, or sequencing plan.	***
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Agricultural Research Service provided its survey response on July 13, 2001.

Department of Agriculture

Animal and Plant Health Inspection Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	No
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	No
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Animal and Plant Health Inspection Service provided its survey response on June 26, 2001.

Department of Agriculture

Cooperative State Research, Education, and Extension Service: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	3 7
(in aludo a all alamanta	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.	Yes
	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Voc
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Cooperative State Research, Education, and Extension Service provided its survey response on July 9, 2001.

Department of Agriculture

Farm Service Agency: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment,	Yes
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	***
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be"	165
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Farm Service Agency provided its survey response on July 9, 2001.

Department of Agriculture

Food and Nutrition Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	37
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	**
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Food and Nutrition Service provided its survey response on July 17, 2001.

Department of Agriculture

Food Safety and Inspection Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	NT -
from stage 2)	EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	• EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	3.7
	• EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Food Safety and Inspection Service provided its survey response on July 9, 2001.

Department of Agriculture

Foreign Agricultural Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	No
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	EA products describe or will describe "as is" environment, "to	No
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	3.7
	EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Foreign Agricultural Service provided its survey response on July 12, 2001.

Department of Agriculture

Forest Service: Stage 2^a

Stage	Description	Satisfied?
Stage 5: Leveraging the EA for Managing	 Written/approved policy exists for EA maintenance. Either EA steering committee, investment review board, or agency head has approved EA. 	No No
Change (includes all elements from stage 4)	Metrics exist for measuring EA benefits.	No
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No No
Developing Architecture Products	 EA products are under configuration management. EA products describe or will describe enterprise's business— 	Yes
(includes all elements	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes Yes
	• EA plans call for describing enterprise in terms of business, data,	res
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1: Creating EA Awareness	Agency is aware of EA.	Yes

 $^{^{\}rm a}$ The Forest Service provided its survey response on August 3, 2001.

Department of Agriculture

Natural Resources Conservation Service: Stage $2^{^{\rm a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
	EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
Gualada allalamanta	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Natural Resources Conservation Service provided its survey response on June 29, 2001.

Department of Agriculture

Risk Management Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	NT
from stage 2)	EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Risk Management Agency provided its survey response on July 27, 2001.

Department of Agriculture

Rural Utilities Service: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	***
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Rural Utilities Service provided its survey response on July 13, 2001.

Department of Commerce

Bureau of the Census: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	Yes
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Bureau of the Census provided its survey response on June 29, 2001.

Department of Commerce

Economic Development Administration: Stage $\boldsymbol{1}^a$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Economic Development Administration provided its survey response on July 10, 2001.

Department of Commerce

International Trade Administration: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment,	Yes
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	NT.
from stage 2)	EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The International Trade Administration provided its survey response on June 26, 2001.

Department of Commerce

National Oceanic and Atmospheric Administration: Stage $\boldsymbol{3}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing Architecture	investment compliance with EA.EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
(in aluda a all alamanta	EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.	Yes
~ ,	Agency chief information officer has approved EA. White the state of the stat	
Stage 3: Developing	Written/approved policy exists for EA development. The state of	Yes Yes
Architecture	EA products are under configuration management.	Yes
Products	EA products describe or will describe enterprise's business—	165
Froducts	and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe or will describe "as is" environment, "to	165
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	V
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	165
	applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	105
~	environment, or sequencing plan.	T7
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The National Oceanic and Atmospheric Administration provided its survey response on June 29, 2001.

Department of Commerce

U. S. Patent and Trademark Office: Stage 4^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	37
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	• Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	 Program office responsible for EA development exists. 	Yes
Foundation	• Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be"	ies
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The U. S. Patent and Trademark Office provided its survey response on June 29, 2001.

Department of Defense

Ballistic Missile Defense Organization: Stage $2^{^{\rm a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	NO
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	-	
Awareness		

 $^{^{\}rm a}$ The Ballistic Missile Defense Organization provided its survey response on July 25, 2001.

Department of Defense

Defense Advanced Research Projects Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	 Written/approved policy exists for information technology 	No
Completing	investment compliance with EA.	
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	
from stage 2)	EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	0	
Awareness		

 $^{^{\}rm a}$ The Defense Advanced Research Projects Agency provided its survey response on July 25, 2001.

Department of Defense

Defense Commissary Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Commissary Agency provided its survey response on July 25, 2001.

Department of Defense

Defense Contract Audit Agency: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA for Managing	• Either EA steering committee, investment review board, or agency head has approved EA.	Yes
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	Yes
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA	0	
Awareness		

 $^{^{\}rm a}$ The Defense Contract Audit Agency provided its survey response on July 25, 2001.

Department of Defense

Defense Contract Management Agency: Stage $2^{^{a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be"	ies
Charta 1.	environment, or sequencing plan.	Vac
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Contract Management Agency provided its survey response on July 3, 2001.

Department of Defense

Defense Information Systems Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data,	No
	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	• Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Information Systems Agency provided its survey response on July 11, 2001.

Department of Defense

Defense Intelligence Agency: Stage $2^{^{\rm a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4) Stage 4:	Written/annuared nelicus arrists for information to should see	Yes
Completing	 Written/approved policy exists for information technology investment compliance with EA. 	ies
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	No
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	**
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	• Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Intelligence Agency provided its survey response on July 25, 2001.

Department of Defense

Defense Legal Services Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements	and sequencing plan.	***
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	***
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	No
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	***
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Legal Services Agency provided its survey response on July 25, 2001.

Department of Defense

Defense Logistics Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data,	No
Trouucis	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Voc
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Logistics Agency provided its survey response on July 25, 2001.

Department of Defense

Defense Security Cooperation Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	No
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	3.7
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Security Cooperation Agency provided its survey response on July 25, 2001.

Department of Defense

Defense Security Service: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	169
	environment, or sequencing plan.	T7
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Defense Security Service provided its survey response on July 25, 2001.

Department of Defense

Defense Threat Reduction Agency: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with RA	No
Architecture	investment compliance with EA.EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan. EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA Awareness		

 $^{^{\}rm a}$ The Defense Threat Reduction Agency provided its survey response on July 25, 2001.

Department of Defense

Department of the Air Force: Stage 3^{a}

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	***
	EA plans call for describing "as is" environment, "to be"	Yes
Gr. 1	environment, or sequencing plan.	***
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of the Air Force provided its survey response on July 27, 2001.

Department of Defense

Department of the Army: Stage 4^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	Yes
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	**
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of the Army provided its survey response on July 25, 2001.

Department of Defense

Department of the Navy: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Department of the Navy provided its survey response on July 25, 2001.

Department of Defense

National Imagery and Mapping Agency: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	 Written/approved policy exists for information technology 	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	ies
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The National Imagery and Mapping Agency provided its survey response on July 25, 2001.

Department of Defense

National Security Agency: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	No
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The National Security Agency provided its survey response on September 27, 2001.

Department of Defense

U. S. Marine Corps: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	 Written/approved policy exists for information technology 	No
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	NT -
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	 Written/approved policy exists for EA development. 	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.). T
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	No
from stage 2)	EA scope is enterprise-focused.	No
Stage 2:	• Committee or group representing the enterprise is responsible for	No
Building the EA	directing, overseeing, and/or approving EA.	
Management	• Program office responsible for EA development exists.	No
Foundation	• Chief architect exists.	No
	• EA being developed using a framework and automated tool.	No
	• EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	No
	• EA plans call for describing "as is" environment, "to be"	INO
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The U. S. Marine Corps provided its survey response on July 25, 2001.

Department of Health and Human Services

Administration for Children and Families: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
	 EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	~ ~	
Awareness		

 $^{^{\}rm a}$ The Administration for Children and Families provided its survey response on June 29, 2001.

Department of Health and Human Services

Agency for Healthcare Research and Quality: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	77
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Agency for Healthcare Research and Quality provided its survey response on July 12, 2001.

Department of Health and Human Services

Centers for Disease Control and Prevention: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	 Written/approved policy exists for information technology 	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data,	No
Froducts	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
G111	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Centers for Disease Control and Prevention provided its survey response on July 23, 2001.

Department of Health and Human Services

Centers for Medicare and Medicaid Services: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Centers for Medicare and Medicaid Services provided its survey response on June 29, 2001.

Department of Health and Human Services

Food and Drug Administration: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing Change	head has approved EA.Metrics exist for measuring EA benefits.	No
Change	Metrics exist for measuring EA benefits.	110
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing Architecture	investment compliance with EA.	No
Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	NO
Troducts	 EA products describe "as is" environment, "to be" environment, 	Yes
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	 EA products are under configuration management. 	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe or will describe "as is" environment, "to be" environment, and sequencing plan.	103
from stage 2)	 EA scope is enterprise-focused. 	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	100
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be"	100
Stage 1:	environment, or sequencing plan.	Yes
Stage 1: Creating EA	Agency is aware of EA.	res
Awareness		

 $^{^{\}rm a}$ The Food and Drug Administration provided its survey response on July 13, 2001.

Department of Health and Human Services

Health Resources and Services Administration: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
(in aludas all alamants	EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.	Yes
,	Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
Grahidas all alamants	• EA products describe or will describe "as is" environment, "to	res
(includes all elements from stage 2)	be" environment, and sequencing plan.	Yes
	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Health Resources and Services Administration provided its survey response on June 29, 2001.

Department of Health and Human Services

Indian Health Service: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	Yes
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	77
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Indian Health Service provided its survey response on June 29, 2001.

Department of Health and Human Services

Program Support Center: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	No
from stage 3)	Agency chief information officer has approved EA.	
Stage 3:	• Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	NT.
<i>C</i> : 1 1 11 1 1	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	No
from stage 2)	• EA scope is enterprise-focused.	NO
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	• Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Program Support Center provided its survey response on June 29, 2001.

Department of the Interior

Bureau of Indian Affairs: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		***
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.).T
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	INU
from stage 3)	and sequencing plan.	No
- '	Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No No
Developing Architecture	EA products are under configuration management.	No Yes
Products	EA products describe or will describe enterprise's business—	ies
Froducts	and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe or will describe "as is" environment, "to	165
from stage 2)	be" environment, and sequencing plan.	Yes
<u> </u>	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	No
	 EA being developed using a framework and automated tool. 	Yes
	 EA being developed using a framework and automated tool. EA plans call for describing enterprise in terms of business, data, 	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	- Agency is aware of the	105
Awareness		

 $^{^{\}rm a}$ The Bureau of Indian Affairs provided its survey response on July 6, 2001.

Department of the Interior

Bureau of Land Management: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
	 EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	ies
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	Yes
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Bureau of Land Management provided its survey response on June 15, 2001.

Department of the Interior

Bureau of Reclamation: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(in aluda a all alamanta	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Voc
	• EA plans call for describing "as is" environment, "to be"	Yes
<u> </u>	environment, or sequencing plan.	**
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Bureau of Reclamation provided its survey response on July 6, 2001.

Department of the Interior

Fish and Wildlife Service: Stage $\boldsymbol{1}^a$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	***
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Fish and Wildlife Service provided its survey response on July 10, 2001.

Department of the Interior

Minerals Management Service: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	No
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	• Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Minerals Management Service provided its survey response on June 29, 2001.

Department of the Interior

National Park Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment, and sequencing plan.	NO
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	NI -
from stage 2)	• EA scope is enterprise-focused.	No
Stage 2:	• Committee or group representing the enterprise is responsible for	No
Building the EA	directing, overseeing, and/or approving EA.	NT -
Management Foundation	Program office responsible for EA development exists.	No No
roundation	Chief architect exists.	No No
	EA being developed using a framework and automated tool.	No No
	• EA plans call for describing enterprise in terms of business, data,	110
	applications, or technology.	No
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	
Stage 1:		Yes
Creating EA	Agency is aware of EA.	ies
Awareness		

 $^{^{\}rm a}$ The National Park Service provided its survey response on July 25, 2001.

Department of the Interior

Office of Surface Mining Reclamation and Enforcement: Stage $2^{^{\rm a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	NO
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Office of Surface Mining Reclamation and Enforcement provided its survey response on July 12, 2001.

Department of the Interior

U. S. Geological Survey: Stage 1

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	No
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The U. S. Geological Survey provided its survey response on July 16, 2001.

Department of Justice

Drug Enforcement Administration: Stage $2^{^{a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	 EA products are under configuration management. 	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan. • EA scope is enterprise-focused.	No
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Drug Enforcement Administration provided its survey response on July 18, 2001.

Department of Justice

Federal Bureau of Investigation: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	 Written/approved policy exists for information technology 	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	• Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Bureau of Investigation provided its survey response on July 18, 2001.

Department of Justice

Federal Bureau of Prisons: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment, and sequencing plan.	ies
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Bureau of Prisons provided its survey response on July 18, 2001.

Department of Justice

Immigration and Naturalization Service: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	NO
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	37
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Immigration and Naturalization Service provided its survey response on July 18, 2001.

Department of Justice

U. S. Marshals Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	NT
from stage 2)	EA scope is enterprise-focused.	No
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The U. S. Marshals Service provided its survey response on June 29, 2001.

Department of Transportation

Federal Aviation Administration: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	Yes
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	***
	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" 	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Aviation Administration provided its survey response on June 29, 2001.

Department of Transportation

Federal Highway Administration: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	No
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	NT
(:1111 -1 +	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	No
from stage 2)	EA scope is enterprise-focused.	
Stage 2:	Committee or group representing the enterprise is responsible for	No
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	No
	EA plans call for describing "as is" environment, "to be"	INU
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Highway Administration provided its survey response on June 29, 2001.

Department of Transportation

Federal Motor Carrier Safety Administration: Stage $2^{^{\mathrm{a}}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
G111	EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	No
from stage 3)	Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe or will describe "as is" environment, "to	res
from stage 2)	be" environment, and sequencing plan.	Yes
<u> </u>	EA scope is enterprise-focused.	
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for discretizing enterprise and/or enterprise EA.	Yes
Management	directing, overseeing, and/or approving EA.Program office responsible for EA development exists.	Yes
Foundation	 Program office responsible for EA development exists. Chief architect exists. 	Yes
1 oundation		Yes
	 EA being developed using a framework and automated tool. EA plans call for describing enterprise in terms of business, data, 	Yes
	EA plans call for describing enterprise in terms of business, data, applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	Agency is aware of EA.	165
Awareness		
11 war eliess		

 $^{^{\}rm a}$ The Federal Motor Carrier Safety Administration provided its survey response on June 29, 2001.

Department of Transportation

Federal Railroad Administration: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	NT.
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	Yes
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(:	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data, applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Railroad Administration provided its survey response on June 29, 2001.

Department of Transportation

Federal Transit Administration: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	No
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	• EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.). T
	• EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Transit Administration provided its survey response on June 29, 2001.

Department of Transportation

National Highway Traffic Safety Administration: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	 Written/approved policy exists for information technology 	No
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	No
from stage 3)	Agency chief information officer has approved EA.	
Stage 3:	• Written/approved policy exists for EA development.	No
Developing	• EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(in aluda a all alamanta	• EA products describe or will describe "as is" environment, "to	ies
(includes all elements from stage 2)	be" environment, and sequencing plan.	No
	EA scope is enterprise-focused.	
Stage 2:	• Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	***
Management	• Program office responsible for EA development exists.	Yes
Foundation	• Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes Yes
	• EA plans call for describing enterprise in terms of business, data,	168
	applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	100
<i>α</i> , , ,	environment, or sequencing plan.	37
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The National Highway Traffic Safety Administration provided its survey response on June 29, 2001.

Department of Transportation

U. S. Coast Guard: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	• EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	37
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The U. S. Coast Guard provided its survey response on June 26, 2001.

Department of the Treasury

Bureau of Alcohol, Tobacco, and Firearms: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.	No
<u> </u>	Agency chief information officer has approved EA. Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No No
Developing	EA products are under configuration management.	No Yes
Architecture Products	EA products describe or will describe enterprise's business—	ies
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe or will describe "as is" environment, "to	165
from stage 2)	be" environment, and sequencing plan.	Yes
<u> </u>	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Bureau of Alcohol, Tobacco, and Firearms provided its survey response on July 16, 2001.

Department of the Treasury

Bureau of Engraving and Printing: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, publications and technology that gypnost it.	No
(includes all elements	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Bureau of Engraving and Printing provided its survey response on June 29, 2001.

Department of the Treasury

Bureau of the Public Debt: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	No
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe or will describe "as is" environment, "to	105
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Bureau of the Public Debt provided its survey response on July 5, 2001.

Department of the Treasury

Comptroller of the Currency: Stage $\boldsymbol{1}^a$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Comptroller of the Currency provided its survey response on June 28, 2001.

Department of the Treasury

Federal Law Enforcement Training Center: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	 Written/approved policy exists for information technology investment compliance with EA. 	No
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	 Written/approved policy exists for EA development. 	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA	0	
Awareness		

 $^{^{\}rm a}$ The Federal Law Enforcement Training Center provided its survey response on September 5, 2001.

Department of the Treasury

Financial Management Service: Stage $2^{^{\rm a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		37
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	NT.
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	NO
from stage 3)	and sequencing plan.	Yes
- '	Agency chief information officer has approved EA.	
Stage 3:	• Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe or will describe "as is" environment, "to	ies
from stage 2)	be" environment, and sequencing plan.	Yes
<u> </u>	EA scope is enterprise-focused.	
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing everyoning and/or approxima EA.	Yes
Management	directing, overseeing, and/or approving EA.Program office responsible for EA development exists.	Yes
Foundation	 Trogram office responsible for EA development exists. Chief architect exists. 	Yes
	 EA being developed using a framework and automated tool. 	Yes
	 EA being developed using a framework and automated tool. EA plans call for describing enterprise in terms of business, data, 	Yes
	applications, or technology.	
	 EA plans call for describing "as is" environment, "to be" 	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	Agency is aware of EA.	103
Awareness		

 $^{^{\}rm a}$ The Financial Management Service provided its survey response on June 28, 2001.

Department of the Treasury

Internal Revenue Service: Stage 4^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA.	Yes
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment,	Yes
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe or will describe "as is" environment, "to	165
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	37
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Internal Revenue Service provided its survey response on July 20, 2001.

Department of the Treasury

Office of Thrift Supervision: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data,	No
Froducts	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
(includes all elements	EA products describe or will describe "as is" environment, "to	No
from stage 2)	be" environment, and sequencing plan.	No
	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Office of Thrift Supervision provided its survey response on June 29, 2001.

Department of the Treasury

Secret Service: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	 EA products describe "as is" environment, "to be" environment, and sequencing plan. 	No
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	37
from stage 2)	• EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA	ingoing is writing of the	100
Awareness		

 $^{^{\}rm a}$ The Secret Service provided its survey response on June 29, 2001.

Department of the Treasury

U. S. Customs Service: Stage 5^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	**
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment, and sequencing plan.	Yes
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data, applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	Yes
Charta 1.	environment, or sequencing plan.	Vac
Stage 1:	Agency is aware of EA.	Yes
Creating EA Awareness		

 $^{^{\}rm a}$ The U. S. Customs Service provided its survey response on July 25, 2001.

Department of the Treasury

U. S. Mint: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	**
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The U. S. Mint provided its survey response on June 29, 2001.

Department of Veterans Affairs

Veterans Benefits Administration: Stage $\boldsymbol{1}^{\text{a}}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	No
(includes all elements from stage 4)		
Stage 4: Completing	Written/approved policy exists for information technology investment compliance with EA	No
Architecture Products	 investment compliance with EA. EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	 and the data, applications, and technology that support it. EA products describe or will describe "as is" environment, "to 	No
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	 applications, or technology. EA plans call for describing "as is" environment, "to be" environment, or sequencing plan. 	No
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Veterans Benefits Administration provided its survey response on August 2, 2001.

Department of Veterans Affairs

Veterans Health Administration: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	2.7
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	***
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	No
from stage 2)	EA scope is enterprise-focused.	No
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	103
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Veterans Health Administration provided its survey response on July 20, 2001.

Agency for International Development: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	• Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.	Yes
- ·	EA scope is enterprise-focused.	
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	Yes
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	• EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	***
	• EA plans call for describing "as is" environment, "to be"	Yes
Start 1	environment, or sequencing plan.	V
Stage 1:	Agency is aware of EA.	Yes
Creating EA Awareness		

 $^{^{\}rm a}$ The Agency for International Development provided its survey response on June 29, 2001.

Central Intelligence Agency: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	3.7
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and accuracing plan	NO
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	 Agency chief information officer has approved EA. Written/approved policy exists for EA development. 	No
Developing	EA products are under configuration management.	Yes
Architecture	EA products are under configuration management. EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	1,0
1104400	EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	105
C1 . 1	environment, or sequencing plan.	*7
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Central Intelligence Agency provided its survey response on August 6, 2001.

Corporation for National and Community Service: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Corporation for National and Community Service provided its survey response on July 20, 2001.

Environmental Protection Agency: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be" environment, or sequencing plans.	ies
Stage 1.	environment, or sequencing plan.	Yes
Stage 1: Creating EA	Agency is aware of EA.	ies
Awareness		

 $^{^{\}rm a}$ The Environmental Protection Agency provided its survey response on June 28, 2001.

Equal Employment Opportunity Commission: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	3.7
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	Voc
G	EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements	and sequencing plan.	Yes
from stage 3)	Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	37
	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Equal Employment Opportunity Commission provided its survey response on August 1, 2001.

Executive Office of the President: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	3.7
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	**
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	V
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	V
Management	Program office responsible for EA development exists.	Yes Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	165
	applications, or technology.	Yes
	EA plans call for describing "as is" environment, "to be"	- 32
G(, 1	environment, or sequencing plan.	V
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Executive Office of the President provided its survey response on October 1, 2001.

Export-Import Bank: Stage 3^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	Yes
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	Yes
Stage 1:	Agency is aware of EA.	Yes
Creating EA	Agency is aware of EA.	103
Awareness		

 $^{^{\}rm a}$ The Export-Import Bank provided its survey response on September 20, 2001.

Federal Deposit Insurance Corporation: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	No
Stage 1:	Agency is aware of EA.	Yes
Creating EA Awareness		

 $^{^{\}rm a}$ The Federal Deposit Insurance Corporation provided its survey response on July 20, 2001.

Federal Emergency Management Agency: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	**
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Voc
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Emergency Management Agency provided its survey response on July 12, 2001.

Federal Energy Regulatory Commission: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	Yes
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	Yes
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	***
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Energy Regulatory Commission provided its survey response on August 27, 2001.

Federal Reserve System: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	NO
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(° 1 1 11 1 4	EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	Yes
from stage 2)	EA scope is enterprise-focused.	
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for	Yes
Management	directing, overseeing, and/or approving EA.	Yes
Foundation	Program office responsible for EA development exists. Chief publicate prints.	No
Toundation	Chief architect exists. EA hairs developed using a framework and outcometed tool.	Yes
	EA being developed using a framework and automated tool. EA plans call for describing enterprise in terms of business data.	Yes
	• EA plans call for describing enterprise in terms of business, data, applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA	0	
Awareness		

 $^{^{\}rm a}$ The Federal Reserve System provided its survey response on August 23, 2001.

Federal Retirement Thrift Investment Board: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	No
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	No
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	• EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	No
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Federal Retirement Thrift Investment Board provided its survey response on July 20, 2001.

General Services Administration: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	 Program office responsible for EA development exists. 	Yes
Foundation	Chief architect exists.	Yes
	 EA being developed using a framework and automated tool. 	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	V
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The General Services Administration provided its survey response on July 2, 2001.

Legal Services Corporation: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	 Written/approved policy exists for information technology 	No
Completing	investment compliance with EA.	
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.	No
0 ,	Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No No
Architecture Products	EA products describe or will describe enterprise's business—	NO
Froducts	and the data, applications, and technology that support it.	No
(includes all elements	• EA products describe or will describe "as is" environment, "to	NO
from stage 2)	be" environment, and sequencing plan.	No
<u> </u>	EA scope is enterprise-focused.	
Stage 2: Building the EA	 Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA. 	No
Management	 Program office responsible for EA development exists. 	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	• EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	No
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Legal Services Corporation provided its survey response on September 4, 2001.

National Aeronautics and Space Administration: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(includes all elements	• EA products describe or will describe "as is" environment, "to	Yes
from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	Yes
Stage 1:		Yes
Creating EA	Agency is aware of EA.	ies
Awareness		

 $^{^{\}rm a}$ The National Aeronautics and Space Administration provided its survey response on July 25, 2001.

National Credit Union Administration: Stage $\boldsymbol{1}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	NT.
<i>c</i>	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	No
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	No
from stage 2)	EA scope is enterprise-focused.	No
Stage 2:	Committee or group representing the enterprise is responsible for	No
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	• EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	No
	• EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The National Credit Union Administration provided its survey response on July 18, 2001.

National Labor Relations Board: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	No
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	No
(includes all elements	be" environment, and sequencing plan.	
from stage 2)	EA scope is enterprise-focused.	No
Stage 2:	Committee or group representing the enterprise is responsible for	No
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	No
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	No
	EA plans call for describing enterprise in terms of business, data,	No
	applications, or technology.	3.7
	EA plans call for describing "as is" environment, "to be"	No
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The National Labor Relations Board provided its survey response on August 9, 2001.

Nuclear Regulatory Commission: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	1
Change	Metrics exist for measuring EA benefits.	Yes
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data, applications, and technology that support it.	No
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	1
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	No
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	Yes
Stage 1.		Yes
Stage 1: Creating EA	Agency is aware of EA.	ies
Awareness		

 $^{^{\}rm a}$ The Nuclear Regulatory Commission provided its survey response on July 23, 2001.

Office of Personnel Management: Stage 4^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	• EA products describe "as is" environment, "to be" environment,	Yes
(includes all elements	and sequencing plan.	
from stage 3)	 Agency chief information officer has approved EA. 	Yes
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	**
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Voc
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Office of Personnel Management provided its survey response on June 29, 2001.

Peace Corps: Stage 1^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	• EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment,	NO
from stage 3)	and sequencing plan.	No
• .	Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No No
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe or will describe "as is" environment, "to	165
from stage 2)	be" environment, and sequencing plan.	Yes
~ ,	EA scope is enterprise-focused.	
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	No
Management	Program office responsible for EA development exists.	No No
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	res
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be"	169
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Peace Corps provided its survey response on July 20, 2001.

Railroad Retirement Board: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	Yes
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	applications, and technology that support it.	No
(includes all elements	• EA products describe "as is" environment, "to be" environment, and sequencing plan.	NO
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	Written approved poincy exists for EA development. EA products are under configuration management.	No.
Architecture	EA products are under configuration management. EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	100
11044000	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2:	Committee or group representing the enterprise is responsible for	Yes
Building the EA	directing, overseeing, and/or approving EA.	
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	37
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Railroad Retirement Board provided its survey response on July 11, 2001.

Securities and Exchange Commission: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	2.7
Architecture Products	 EA products describe enterprise's business—and the data, applications, and technology that support it. 	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	No
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	Vac
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	3 7
	• EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Securities and Exchange Commission provided its survey response on July 19, 2001.

Small Business Administration: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	• Either EA steering committee, investment review board, or agency	Yes
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	Yes
Completing	investment compliance with EA.	
Architecture	• EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	37
(includes all elements	• EA products describe "as is" environment, "to be" environment,	Yes
from stage 3)	and sequencing plan.	Yes
9 ,	Agency chief information officer has approved EA.	
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	Yes
(includes all elements	• EA products describe or will describe "as is" environment, "to	ies
from stage 2)	be" environment, and sequencing plan.	Yes
<u> </u>	EA scope is enterprise-focused.	
Stage 2:	• Committee or group representing the enterprise is responsible for	Yes
Building the EA Management	directing, overseeing, and/or approving EA.	Yes
Foundation	Program office responsible for EA development exists. Chief and its at a prints.	Yes
roundation	Chief architect exists. The land architect exists.	Yes
	EA being developed using a framework and automated tool. The developed using a framework and automated tool. The developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data, publications or technology.	100
	applications, or technology.	Yes
	• EA plans call for describing "as is" environment, "to be" environment, or sequencing plan.	
Stage 1:		Yes
Stage 1: Creating EA	Agency is aware of EA.	168
•		
Awareness		

 $^{^{\}rm a}$ The Small Business Administration provided its survey response on June 29, 2001.

Smithsonian Institution: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture Products	EA products describe enterprise's business—and the data, applications, and technology that support it.	No
(includes all elements	EA products describe "as is" environment, "to be" environment,	No
from stage 3)	and sequencing plan.Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	Yes
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
Stage 1.	environment, or sequencing plan.	Yes
Stage 1: Creating EA	Agency is aware of EA.	ies
Awareness		
Awai eliess		

 $^{^{\}rm a}$ The Smithsonian Institution provided its survey response on July 31, 2001.

Social Security Administration: Stage $\boldsymbol{2}^{a}$

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	No
Products	 applications, and technology that support it. EA products describe "as is" environment, "to be" environment, 	No
(includes all elements	EA products describe "as is" environment, "to be" environment, and sequencing plan.	1,0
from stage 3)	 Agency chief information officer has approved EA. 	No
Stage 3:	Written/approved policy exists for EA development.	No
Developing	EA products are under configuration management.	No
Architecture	EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
(in aluda a all alamanta	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements from stage 2)	be" environment, and sequencing plan.	Yes
	EA scope is enterprise-focused.	
Stage 2: Building the EA	• Committee or group representing the enterprise is responsible for directing, overseeing, and/or approving EA.	Yes
Management	Program office responsible for EA development exists.	Yes
Foundation	Chief architect exists.	Yes
	EA being developed using a framework and automated tool.	Yes
	• EA plans call for describing enterprise in terms of business, data,	Yes
	applications, or technology.	Voc
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:	Agency is aware of EA.	Yes
Creating EA		
Awareness		

 $^{^{\}rm a}$ The Social Security Administration provided its survey response on July 3, 2001.

U. S. Postal Service: Stage 2^a

Stage	Description	Satisfied?
Stage 5:	Written/approved policy exists for EA maintenance.	No
Leveraging the EA	Either EA steering committee, investment review board, or agency	No
for Managing	head has approved EA.	
Change	Metrics exist for measuring EA benefits.	No
(includes all elements		
from stage 4)		
Stage 4:	Written/approved policy exists for information technology	No
Completing	investment compliance with EA.	
Architecture	EA products describe enterprise's business—and the data,	Yes
Products	applications, and technology that support it.	
	EA products describe "as is" environment, "to be" environment,	No
(includes all elements	and sequencing plan.	NT.
from stage 3)	Agency chief information officer has approved EA.	No
Stage 3:	Written/approved policy exists for EA development.	Yes
Developing	EA products are under configuration management.	No
Architecture	• EA products describe or will describe enterprise's business—	Yes
Products	and the data, applications, and technology that support it.	
	• EA products describe or will describe "as is" environment, "to	Yes
(includes all elements	be" environment, and sequencing plan.	3 7
from stage 2)	EA scope is enterprise-focused.	Yes
Stage 2: Building the EA	Committee or group representing the enterprise is responsible for	Yes
Management	directing, overseeing, and/or approving EA.	Yes
Foundation	 Program office responsible for EA development exists. Chief architect exists. 	Yes
Toundation		Yes
	EA being developed using a framework and automated tool. EA plans call for describing enterprise in terms of hydrogen data.	Yes
	• EA plans call for describing enterprise in terms of business, data, applications, or technology.	
	EA plans call for describing "as is" environment, "to be"	Yes
	environment, or sequencing plan.	
Stage 1:		Yes
Stage 1: Creating EA	Agency is aware of EA.	168
Awareness		
Awareness		

 $^{^{\}rm a}$ The U. S. Postal Service provided its survey response on August 13, 2001.



United States General Accounting Office

Survey of Federal Departments' Enterprise Architecture Efforts

Introduction

To assist Congress in its oversight of the federal government, GAO is conducting a survey of federal departments' and agencies' enterprise architecture efforts to gauge progress towards meeting Clinger-Cohen Act and OMB requirements and to identify successes that can be shared with other federal agencies. There are two versions of this survey, this version is being sent to cabinet-level departments and a different version is being sent to federal agencies.

Enterprise architectures are well-defined and enforced blueprints (i.e., descriptions) for operational and technological change. Such an architecture provides a clear and comprehensive picture of an entity, whether it is an organization (e.g., federal department, agency, or bureau) or a functional or mission area that cuts across more than one organization (e.g., financial management). This picture consists of three integrated components: (1) a snapshot of the enterprise's current operational and technological environment; (2) a snapshot of its target environment; and (3) a capital investment roadmap for transitioning (i.e. sequencing plan) from the current to the target environment.

We are requesting departments and agencies to provide information from readily available data. We are not asking that extensive analyses be performed in order to respond to these questions. Please complete this survey and return it to GAO no later than June 29, 2001.

You may return your completed survey and any supporting materials requested by mail or by fax. If you mail us your survey, the address is:

U.S. General Accounting Office Mark T. Bird Assistant Director Information Technology Team 441 G Street, NW, Room 4R26 Washington, D.C. 20548

If you return your survey by fax, the fax number is (202) 512-6450 - Attn: Mark T. Bird.

We are also asking that you provide the name and telephone number of a contact for your department who can answer any questions we may have about your survey responses.

Department Contact

Name:	
Title:	
Organization:	
Telephone: ()	
Fax: ()	
Email:	

If you have any questions, please contact:

Mark T. Bird, Assistant Director Voice: (202) 512-6260 Fax: (202) 512-6450 Email: birdm@gao.gov

1. \Box We <u>have developed</u> an enterprise architecture → <i>Skip to question 4</i> .
2. ☐ We do not have an enterprise architecture, but are in the process of developing one → Skip to question 4.
3. \square We do not have an enterprise architecture, but <u>plan to develop one</u> \rightarrow <i>Continue with question 2.</i>
4. \square We do <u>not have and do not plan to develop</u> an enterprise architecture \rightarrow <i>Skip to question 3</i> .
Please briefly describe your department's plan to develop an enterprise architecture, including the date by which you plan to have the enterprise architecture developed.
■ If you were directed to answer question 2, you have completed the survey.
If you were directed to answer question 2, you have completed the survey. Please return it as soon as possible. Thank you.
Please return it as soon as possible. Thank you. If your department does <u>not</u> have or plan to develop an enterprise architecture, please explain why
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	 □ Department-wide, organization based □ Department component, organization-based □ Functional or mission area (e.g., financial) 		ment
			 Please list the functional or mission areas covered by your department's enterprise architecture:
	Please follow the following instructions based If you checked only box #1 (Departmentwide, organization-based) or checked box #1 and any other box	→	r answer to question 4. Answer all of the remaining questions for your department-wide, organization-based enterprise architecture.
•••	If you checked <u>only box #1</u> (Departmentwide, organization-based) or checked	→	Answer all of the remaining questions for your department-wide, organization-based enterprise
	If you checked only box #1 (Departmentwide, organization-based) or checked box #1 and any other box If you checked box #2 (Department component, organization-based), but	→	Answer all of the remaining questions for your department-wide, organization-based enterprise architecture. You have completed the survey. Please return it as soon as possible. Thank you. (We are collecting this
	If you checked only box #1 (Departmentwide, organization-based) or checked box #1 and any other box If you checked box #2 (Department component, organization-based), but did not check box #1 If you checked box #3 (Functional or	→	Answer all of the remaining questions for your department-wide, organization-based enterprise architecture. You have completed the survey. Please return it as soon as possible. Thank you. (We are collecting this information directly from department components.) You have completed the survey. Please return it as

•	Does (or will) this particular enterprise architecture include the follow (Check one box for each row.)	owing?		
ī		Yes, it does	Yes, it will	No (3)
	A description of the department's business (i.e., mission)			
	A description of the department's data that support the department's business			
	A description of the department's applications that support the department's business			
	A description of the agency's technology that supports the department's business			
ó.	Does (or will) this particular enterprise architecture include the follow (Check one box for each row.)	owing? Yes, it	Yes, it	No
5.	\ / I		Yes, it will (2)	No (3)
•	\ / I	Yes, it does	will	
i.	(Check one box for each row.)	Yes, it does	will	
5.	(Check one box for each row.) A description of the current or "as is" environment	Yes, it does	will	
	A description of the current or "as is" environment A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is"	Yes, it does	will	
	A description of the current or "as is" environment A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is" to the "to be" environment	Yes, it does	will	
	A description of the current or "as is" environment A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is" to the "to be" environment	Yes, it does	will	

7. Does your department have a <u>written and approved</u> policy for the development, maintenance, and use of enterprise architecture? (Check one box for each row. If policy is written but not approved, please check "No".)

	Yes (1)	No (2)
Development		
Maintenance		
Use		

8. Has your department established the following entities? (Check one box for each row.)

	Yes (1)	No (2)
Committees or groups with responsibility for such things as directing, overseeing, and/or approving the enterprise architecture.		
A program office or individuals with responsibility for such things as developing and maintaining the enterprise architecture.		

Does your department's architecture program staff (including department employees and/or contractors) include the following? (Check one box in each row.) Yes No (1) (2) **Chief Architect** Heads the Enterprise Architecture Program Management Office (EAPMO), organizes and manages the EA core team, directs development of the baseline and target architecture. Senior Architecture Consultant Provides architecture strategy and planning consultation to the Chief Architect. **Business Architect** Analyzes and documents business processes, scenarios, and information flow. **Applications Architect** Analyzes and documents systems, internal and external interfaces, control, and data flow. Information Architect Analyzes and documents business information (logical and physical) and associated relationships. Analyzes and documents system environments, including network communications, nodes, operating systems, applications, application servers, web and portal servers, and middleware. **Security Systems Architect** Oversees, coordinates, and documents IT security aspects of the EA, including design, operations, encryption, vulnerability, access, and the use of authentication processes. **Technical Writer** Ensures that policies, guidebooks, and other documentation within the EA repository are clear, concise, usable, and conform to configuration management standards. **Quality Assurance Specialist** Ensures that all established program and project standards, processes, and practices are met. **Risk Management Specialist** Identifies, monitors, and controls risks in light of environmental factors and constraints. **Configuration Control Specialist** Assures that all changes are identified, tracked, monitored, and appropriately documented. Other - Specify:

			If tool	is being used, a	re you	
	Is tool being used?	Very satisfied	Somewhat satisfied (2)	Neither satisfied nor dissatisfied (3)	Somewhat dissatisfied (4)	Very dissatisfied (5)
Framework by Ptech	☐ Yes → ☐ No				, ,	
Rational Rose by Rational Corp.	☐ Yes → ☐ No					
Systems Architect by Popkin	□ Yes → □ No					
Microsoft Word	□ Yes → □ No					
Microsoft Excel	□ Yes → □ No					
Microsoft PowerPoint	□ Yes → □ No					
Other - Specify:	□ Yes →					
Other - Specify:	□ Yes →					
Other - Specify:	□ Yes →					
Which of the following model(s) architecture? (Check all that app 1. □ Command, Control, Commu Reconnaissance (C4ISR) 2. □ Federal Enterprise Architect 3. □ Treasury Enterprise Architect 4. □ National Institute of Standard	ly.) nications, Corure Framework ture Framework	nputer, Inte k (FEAF) ork (TEAF)	elligence, Su	urveillance, an		rise

2. ☐ Deve	loped in-house using contractor support loped in-house without any contractor support ired from a contractor		
. Was your d	epartment's enterprise architecture: (Check one box in each row.)	Yes	No
Approved	by your department's chief information officer?	(1)	(2)
	by your department's enterprise architecture steering committee?		
	by your department's investment review board?		
**	by the head of your department (i.e., your department's secretary)?		
	by other official or committee?		
Submitted	to OMB?		
Did you ans (Check one	sifying as "complete" enterprise architecture(s) that meet anv of the swer "Yes" to one or more levels of approval/submission in question and provide additional information.) Please provide the following costs for your department's complete.	on 13?	1
Did you ans (Check one	swer "Yes" to one or more levels of approval/submission in questic and provide additional information.)	on 13? eted enterp	rise architecture:
Did you ans (Check one	 *Swer "Yes" to one or more levels of approval/submission in questic and provide additional information.) *Please provide the following costs for your department's comple (Note: cost figures should include all costs that have gone into the your department's enterprise architecture, including the cost of our department. 	on 13? sted enterp implement tside contr	rise architecture:
Did you ans (Check one 1. ☐ Yes •	swer "Yes" to one or more levels of approval/submission in questic and provide additional information.) Please provide the following costs for your department's comple (Note: cost figures should include all costs that have gone into the your department's enterprise architecture, including the cost of our The actual cost at completion \$	on 13? Sted enterp implement tside contr rprise arch implement	rise architecture: ation of actors.) atiecture at comple ation of

	1. ☐ Yes → If yes, please provide →	Date of current version:/ (mm/dd/yyyy)
	2. T .Y	Current version number:
	2. □ No	
16.	Does your department have a written pol comply with the enterprise architecture?	icy that requires that information technology investments (Check one.)
	1. ☐ Yes → Continue with question 1	7.
	2. \square No \rightarrow Skip to question 18.	
17.	Does your department permit waivers to with the enterprise architecture? (Check of	its requirement that information technology investments comply one.)
	1. ☐ Yes, only if the request provides a	written justification
	2. ☐ Yes, a waiver can be granted based	
	2 \(\sigma\) No the account deep not may ide for	r waivers to this policy
	3. ☐ No, the agency does not provide for	. The color of the pency
18.	Was your department's decision to devel provided economic justification (i.e., ben	op an enterprise architecture based on: 1) a business case that aefits in excess of costs); 2) the need to comply with the ments; and/or, 3) some other factor(s) was considered?
18.	Was your department's decision to devel provided economic justification (i.e., ben Clinger-Cohen Act and/or OMB requirer (Check all that apply.)	op an enterprise architecture based on: 1) a business case that nefits in excess of costs); 2) the need to comply with the ments; and/or, 3) some other factor(s) was considered?
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Qualitative benefits:	
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attained thus far? (Check one box in each row that corresponds to the benefits lisprevious question.)	
Previous question.) Very Great Moderate Some or No great Extent extent little extent extent extent great extent great g	Too early to
previous question.) Very Great Moderate Some or No	isted in the Too
Previous question.) Very Great Moderate Some or No	Too early to say
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Very Great Moderate Some or No great Extent extent extent extent (1) (2) (3) (4) (5)	Too early to say
Previous question.) Very great Extent extent Some or No little extent extent One or little extent extent One or little One or lit	Too early to say
Benefits (By letter of question 19.) Quantitative benefits Benefit a. Benefit b.	Too early to say
Benefits (By letter of question 19.) Quantitative benefits Benefit a. Benefit c.	Too early to say
Benefits (By letter of question 19.) Quantitative benefits Benefit a. Benefit c. Benefit d.	Too early to say
Benefits (By letter of question 19.) Quantitative benefits Benefit a. Benefit c. Benefit d. Qualitative benefits Qualitative benefits	Too early to say
Benefits (By letter of question 19.) Quantitative benefits Benefit c. Benefit d. Qualitative benefits Benefit d. Qualitative benefits Benefit d. Qualitative benefits Benefit d.	Too early to say
Benefits (By letter of question 19.) Quantitative benefits Benefit c. Benefit d. Qualitative benefits Benefit f.	Too early to say

	Very	Great	Moderate	Some or	No
	great extent (1)	extent (2)	extent (3)	little extent (4)	extent (5)
Top management's understanding of the importance and value of enterprise architecture	(1)	(2)	(3)	(4)	(3)
Parochialism/cultural resistance					
Funding					
Skilled staff					
Other – Please specify:					
Other – Please specify:					
Other – Please specify:					
Has your department developed quantitative or from using enterprise architecture? (Check one. 1. □ Yes → Continue with question 23. 2. □ No → Skip to question 24. Please describe these metrics used for measuring)	measures	(i.e., metric	s) of the be	enefits derived
from using enterprise architecture? (Check one. 1. □ Yes → Continue with question 23. 2. □ No → Skip to question 24.)	measures	(i.e., metric	s) of the be	enefits derived
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from using enterprise architecture? (Check one. 1. □ Yes → Continue with question 23. 2. □ No → Skip to question 24.)	measures	(i.e., metric	s) of the be	enefits derived
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from using enterprise architecture? (Check one. 1. □ Yes → Continue with question 23. 2. □ No → Skip to question 24.)	measures	(i.e., metric	s) of the be	enefits derived
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from using enterprise architecture? (Check one. 1. □ Yes → Continue with question 23. 2. □ No → Skip to question 24.)	measures	(i.e., metric	s) of the be	enefits derived

7. Please provide any additional comments on your de	martmant'a antarprisa arabitaatura measura in
 1. ☐ Yes → Please enclose a copy of any high-le 2. ☐ No 	evel, supporting architecture products with your response.
6. Is your department's enterprise architecture publish	
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c	
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United States General Accounting Office

Survey of Federal Agencies' Enterprise Architecture Efforts

Introduction

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We are requesting departments and agencies to provide information from readily available data. We are not asking that extensive analyses be performed in order to respond to these questions. Please complete this survey and return it to GAO no later than July 20, 2001.

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U.S. General Accounting Office Mark T. Bird Assistant Director Information Technology Team 441 G Street, NW, Room 4R26 Washington, D.C. 20548

If you return your survey by fax, the fax number is (202) 512-6450 - Attn: Mark T. Bird.

We are also asking that you provide the name and telephone number of a contact for your agency who can answer any questions we may have about your survey responses.

Agency Contact

Name:	
Title:	
Organization:	
Telephone: ()
Fax: ()	
Email:	

If you have any questions, please contact:

Mark T. Bird, Assistant Director Voice: (202) 512-6260 Fax: (202) 512-6450

Email: birdm@gao.gov

Which of the following best describes your agency's status with respect to enterprise architecture? (Check one.)
1. \square We <u>have developed</u> an enterprise architecture \rightarrow <i>Skip to question 4.</i>
2. \square We do not have an enterprise architecture, but are <u>in the process of developing one</u> \rightarrow <i>Skip to question 4.</i>
3. \square We do not have an enterprise architecture, but <u>plan to develop one</u> \rightarrow <i>Continue with question 2.</i>
4. ☐ We do not have and do not plan to develop an enterprise architecture → Skip to question 3.
Please briefly describe your agency's plan to develop an enterprise architecture, including the date by which you plan to have the enterprise architecture developed.
If you were directed to answer question 2, you have completed the survey.
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Please return it as soon as possible. Thank you. If your agency does <u>not</u> have or plan to develop an enterprise architecture, please explain why in
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			covered by your agency's enterprise architecture:
Please follow the following instructions by	based o	on your a	answer to question 4.
Please follow the following instructions by the second sec	⇒	Answe wide, (r all of the remaining questions for that <u>agency-organization based</u> enterprise architecture. r all of the remaining questions for that <u>agency</u> nent, organization-based enterprise architecture
If you checked only box #1 (Agencywide, organization-based) or checked box #1 and any other box If you checked box #2 (Agency component, organization-based), but	→	Answe wide, o	r all of the remaining questions for that <u>agency-organization based</u> enterprise architecture. r all of the remaining questions for that <u>agency</u>
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5.	Does (or will) this particular enterprise architecture include the following	wing?		
	(Check one box for each row.)	Yes, it	Yes, it	No
		does (1)	will (2)	(3)
	A description of the agency's business (i.e., mission)			
	A description of the agency's data that support the agency's business			
	A description of the agency's applications that support the agency's business			
	A description of the agency's technology that supports the agency's business			
			Yes, it	
		Yes, it does	will	No
	A description of the current or "as is" environment	,	will (2)	(3)
	A description of the current or "as is" environment A description of the target or "to be" environment	does		
	A description of the current or "as is" environment A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is" to the "to be" environment	does		
a.	A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is"	does (1)		
a.	A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is" to the "to be" environment	does (1)		
a.	A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is" to the "to be" environment	does (1)		
ía.	A description of the target or "to be" environment A description of the sequencing plan for moving from the "as is" to the "to be" environment	does (1)		

7. Does your agency have a <u>written and approved</u> policy for the development, maintenance, and use of enterprise architecture? (Check one box for each row. If policy is written but not approved, please check "No".)

	Yes (1)	No (2)
Development		
Maintenance		
Use		

8. Has your agency established the following entities? (Check one box for each row.)

	Yes (1)	No (2)
Committees or groups with responsibility for such things as directing, overseeing, and/or approving the enterprise architecture.		
A program office or individuals with responsibility for such things as developing and maintaining the enterprise architecture.		

9. Does your agency's architecture program staff (including agency employees and/or contractors) include the following? *(Check one box in each row.)*

	Yes	No
	(1)	(2)
Chief Architect		
Heads the Enterprise Architecture Program Management Office (EAPMO), organizes and		
manages the EA core team, directs development of the baseline and target architecture.		
Senior Architecture Consultant		
Provided architecture strategy and planning consultation to the Chief Architect.		
Business Architect		
Analyzes and documents business processes, scenarios, and information flow.		
Applications Architect		
Analyzes and documents systems, internal and external interfaces, control, and data flow.		
Information Architect		
Analyzes and documents business information (logical and physical) and associated relationships.		
Infrastructure Architect		
Analyzes and documents system environments, including network communications, nodes,		
operating systems, applications, application servers, web and portal servers, and middleware.		
Security Systems Architect		
Oversees, coordinates, and documents IT security aspects of the EA, including design, operations, encryption, vulnerability, access, and the use of authentication processes.		
Technical Writer		
Ensures that policies, guidebooks, and other documentation within the EA repository are clear,		
concise, usable, and conform to configuration management standards.		
Quality Assurance Specialist		
Ensures that all established program and project standards, processes, and practices are met.		
Risk Management Specialist		
Identifies, monitors, and controls risks in light of environmental factors and constraints.		
Configuration Control Specialist		
Assures that all changes are identified, tracked, monitored, and appropriately documented.		
Other - Specify:		
	J	
	<u></u>	

Framework by Ptech	Is tool being used?	Very satisfied	Somewhat satisfied	Neither satisfied nor	Somewhat dissatisfied	Very dissatisfied
Framework by Ptech		(1)	(2)	dissatisfied (3)	(4)	(5)
	□ Yes → □ No					
Rational Rose by Rational Corp.	☐ Yes → ☐ No					
Systems Architect by Popkin	□ Yes → □ No					
Microsoft Word	□ Yes → □ No					
Microsoft Excel	□ Yes → □ No					
Microsoft PowerPoint	☐ Yes → ☐ No					
Other - Specify:	□ Yes →					
Other - Specify:	□ Yes →					
Other - Specify:	□ Yes →					
Which of the following model(s) Check all that apply.) Command, Control, Commu Reconnaissance (C4ISR) Federal Enterprise Architect Treasury Enterprise Architect National Institute of Standard Cachman Framework Composite the following model(s) Commander of the fo	nications, Con ure Framework	nputer, Inte k (FEAF) rk (TEAF)	elligence, Su	urveillance, an	•	architecture?

2. ☐ Devel	oped in-house using contractor support oped in-house without any contractor support red from a contractor			
3. Was your ag	ency's enterprise architecture: (Check one box in each row.)	Yes (1)	No (2)	
Approved b	by your agency's chief information officer?	(1)	(2)	
Approved b	by your agency's enterprise architecture steering committee?			
Approved b	y your agency's investment review board?			
Approved b	by the head of your agency?			
Approved b	by other official or committee?			
Please spec	ify:			
Did you ans	o OMB? difying as "complete" enterprise architecture(s) that meet <u>any</u> of wer "Yes" to <u>one or more</u> levels of approval/submission in questand provide additional information.)		sted in qu	uestion 13.
I. We are class Did you ans (Check one of	ifying as "complete" enterprise architecture(s) that meet <u>anv</u> of wer "Yes" to <u>one or more</u> levels of approval/submission in ques	ed enterprise	architectu	
I. We are class Did you ans (Check one of	ifying as "complete" enterprise architecture(s) that meet <u>any</u> of wer "Yes" to <u>one or more</u> levels of approval/submission in questand provide additional information.) • Please provide the following costs for your agency's complete (Note: cost figures should include all costs that have gone into the your agency's enterprise architecture, including the cost of outsi	ed enterprise the implement tide contracto	architectu	
I. We are class Did you ans (Check one of the Check one	ifying as "complete" enterprise architecture(s) that meet <u>anv</u> of wer "Yes" to <u>one or more</u> levels of approval/submission in questand provide additional information.) Please provide the following costs for your agency's complete (Note: cost figures should include all costs that have gone into the your agency's enterprise architecture, including the cost of outsi	d enterprise the implementation contractor	architectuation of rs.) ture at coation of	nre:

		e of current version:/ (mm/dd/yyyy) rent version number:
	2. □ No	
16.	Does your agency have a written policy that re comply with the enterprise architecture? (Che	
	1. ☐ Yes → Continue with question 17.	
	2. \square No \rightarrow Skip to question 18.	
17.	Does your agency permit waivers to its require with the enterprise architecture? (Check one.)	ement that information technology investments comply
	1. ☐ Yes, only if the request provides a writte	n justification
	2. Yes, a waiver can be granted based on an	
	3. ☐ No, the agency does not provide for waiv	vers to this policy
18.	provided economic justification (i.e., benefits	erprise architecture based on: 1) a business case that in excess of costs); 2) the need to comply with the g and/or, 3) some other factor(s) was considered?
	1. ☐ A business case that anticipated a positive	e return
	2. ☐ The need to comply with Clinger-Cohen	and/or OMB requirements
		•

p management's understanding of the portance and value of enterprise architecture rochialism/cultural resistance	great extent (1)	extent (2)	extent (3)	little extent (4)	extent (5)
portance and value of enterprise architecture	(1)	(2)	(3)	(4)	(5)
rochialism/cultural resistance					
nding					
illed staff					
her – Please specify:					
her – Please specify:					
her – Please specify:					
	ner – Please specify: ner – Please specify: s your agency developed quantitative or qualing using enterprise architecture? (Check one.) Yes → Continue with question 23. No → Skip to question 24.	ner – Please specify: ner – Please specify: s your agency developed quantitative or qualitative mean using enterprise architecture? (Check one.) Tyes → Continue with question 23.	ner – Please specify: ner – Please specify: s your agency developed quantitative or qualitative measures (i.e. n using enterprise architecture? (Check one.) Yes → Continue with question 23. No → Skip to question 24.	ner – Please specify: ner – Please specify: s your agency developed quantitative or qualitative measures (i.e., metrics) of m using enterprise architecture? (Check one.) The Yes → Continue with question 23. No → Skip to question 24.	ner – Please specify: ner – Please specify: s your agency developed quantitative or qualitative measures (i.e., metrics) of the benefin using enterprise architecture? (Check one.) The Yes → Continue with question 23. No → Skip to question 24.

24.	Is your agency a sub-component of a cabinet level federal department such as the Department of Treasury or USDA? (Check one.)
	1. ☐ Yes → Continue with question 25.
	2. □ No → Skip to question 27.
	• •
25.	To what extent, if at all, has your agency's department provided oversight of your enterprise architecture efforts? <i>(Check one.)</i>
	1. ☐ Very great extent
	2. □ Great extent
	3. □ Moderate extent 4. □ Some or little extent
	5. □ No extent
26.	Was your agency's enterprise architecture approved by your department's chief information officer? <i>(Check one.)</i>
	1. ☐ Yes
	2. □ No
7.	Is your agency's enterprise architecture published? (Check one.) 1. □ Yes → Please enclose a copy of any high-level, supporting architecture products with your response.
	2. □ No

20.	Please provide any additional comments you would like to make on your agency's enterprise architecture					
	program in the space provided.					
	Thank you for your assistance.					
	Please return your survey and any requested supporting materials to					
	riease return your survey and any requested supporting materials to					
	the address or fax number indicated on page 1.					
	the address or fax number indicated on page 1.					
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GAO Contact And Staff Acknowledgments

GAO Contact	Mark T. Bird, (202) 512-6260
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